Q.1 Answer (any two) of the following:
   a) Write the character sketch of Mr & Mrs. Dass.
   b) What do you know about Mostressor and Amontillado?
   c) Write in brief the major themes of the story “The Interpreter of Maladies”.  

**PART-A**

Q.2 Describe in brief the historical background of the story “Kew Garden” Virginia Woolf.  

Q.3 Elaborate on Ernest Hemingway as a short story writer. Describe your ideas with the reference to “Hills are like white elephant”.  

Q.4 Jhumpa Lahri is a social & moral short story writer. Evaluate the statement with the reference to “The Interpreter of Maladies”.  

**PART-B**

Q.5 Write a note on (any two) of the following:
   a) Mr Kapasi.
   b) Kew Gardens.
   c) Agenda.
   e) Memorandum.  

Q.6 What do you mean by popular literature? Explain its different forms with an example.  

Q.7 Discuss if Montresor is a woman? Most people assume Montresor is a man, Why? Would it change the way you think about the story if Montresor is a woman?
PART-A

Q.1 Answer all the questions (not in more than 50 words):
   a) Differentiate between nominal and real variables.
   b) What is potential output for an economy?
   c) What do you understand by supply shock?
   d) How is GDP deflator calculated?
   e) Enumerate any two differences between Keynesian and classical models of income determination.
   f) Briefly explain the speculative demand for money.
   g) Contrast between ex-ante and ex-post
   h) Explain how a rise in marginal propensity to consume impacts the private savings?
   i) Define Output gap.
   j) Enumerate determinants of transaction demand for money. 2x10

PART-B

Q.2 Answer any four of the following:
   a) Explain the concept of opportunity cost of holding money.
   b) Briefly explain the relative income hypothesis.
   c) What do you understand by paradox of thrift?
   d) Calculate NNP\textsubscript{FC} from GDP\textsubscript{MP}.
   e) Explain the concept of deflationary gap. 5x4

PART-C

Q.3 Answer any three of the following:
   a) Explain what happens to consumption, investment and interest rate when government increases taxes?
   b) What do you understand by psychological law of consumption? Derive Keynesian consumption function.
   c) How an expansionary monetary policy does impacts aggregate demand and aggregate supply curves? 10
   d) Is monetary policy effective in taking an economy from underemployment level of output to full employment level? Substantiate your answer with suitable diagrams. 10
   e) Derive and graph savings function using absolute income hypothesis of consumption. 10
   f) Explain life cycle hypothesis of consumption. How does it solve consumption puzzle? 10
   g) Critically evaluate the Baumol’s Inventory theoretic approach. 10
b) Explain the Cambridge quantity theory of money? How is it different from Fisher’s version of it.

Q.7 Consider the economy as:
\[ Y = C = 1 = G \]
\[ Y = 8000 \]
\[ G = 2500 \]
\[ T = 2000 \]
\[ C = 1000 + \frac{2}{3} \frac{Y}{T} \]
\[ I = 1200 - 100r \]

a) Compute private savings.
b) Find equilibrium interest rate
c) Suppose government expenditure declines by 500. Compute private saving.
d) Find new equilibrium interest rate.
Q.1 Answer the following questions:
a) What are the causes of global warming?
b) Name any two renewable sources of energy
c) Mention any two objectives of environmental education
d) What is meant by population explosion
e) Differentiate between ‘Producer’ and ‘Consumers’

Q.2 Answer the following questions:
a) What are the major threats to biodiversity?
b) Define food chain and ecological pyramids.
c) What is the cause’s water pollution?
d) Describe the factors that affect human population growth rate.
e) What is soil erosion?

Q.3 Enumerate the effects of various climatic changes with special emphasis on
a) Global warming
b) Ozone layer depletion

Q.4 a) Discuss the scope and importance of environmental studies as a part of formal education.
b) What are the different methods to propagate environmental consciousness in younger generation?

Q.5 a) What do you mean by ecosystem? Explain different components of an ecosystem in detail.
b) What are natural resources? Give a detailed account of forest resources.

Q.6 a) What is meant by biodiversity? Why it is important to conserve biodiversity?
b) Give at least three examples of each of the following.
   - Endangered plants
   - Endangered animals

Q.7 a) What is role of women welfare and empowerment in population control?
b) What is population explosion? Discuss the preventive measures of population explosion.
PART-A

Q.1 a) What do you mean by Psychoanalysis?
   b) What is classical conditioning?
   c) Psychosocial theory was initially explored by_________.
   d) What was Abraham Maslow’s contribution to psychology?
   e) What are the different stages of Maslow’s need hierarchy model? 2×5

PART-B

Q.2 What are the different types of defence mechanism? Critically evaluate the concept of psychoanalysis? 10

Q.3 What are the different theories of learning? 10

Q.4 Describe the different concepts of Maslow’s theory of motivation. 10

Q.5 What is psychophysics? Describe the phenomenon of signal detection. 10

Q.6 What is positive psychology? What are different areas of positive psychology? 10
End Semester Examination, May 2019
BA / B.Sc. (Hons.) Applied Psychology – Third Semester
PERSONALITY (BPSY-C-301)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1  Answer the questions in not more than two lines.
   a) Name three main physical types suggested by Sheldon.
   b) Define Archetypes.
   c) Who is the father of Analytical Psychology?
   d) Name any four defense mechanisms given by Freud.
   e) Name the theorist who was a major adherent to Freudian ideas in child psychology.

2×5

PART-A

Write short notes on the following:

Q.2  16 PF.  5
Q.3  Five Factor Personality by Costa and Mc Crae.  5
Q.4  Object Relation Theory.  5
Q.5  Basic Anxiety.  5
Q.6  Inferiority Complex.  5

PART-B

Q.7  Explain Analytical Psychology. What is the purpose of Word Association Test?  10
Q.8  Discuss the contributions and criticism of Individual Psychology.  10
Q.9  Describe the research findings on how expressive behavior can reveal aspects of our personality.  10
Q.10 Explain Psychoanalysis. Discuss the contributions of Psychoanalysis?  10
Q.1  
Answer the questions in not more than two lines.

a) Distinguish between centralization and decentralization.

b) List the characteristics of the mechanistic model.

c) List the four characteristics of a spiritual organization.

d) What is work life balance?

e) What are the three key elements in defining motivation?  

PART-A

Write short notes on the following:

Q.2  Job Involvement.  

Q.3  MBO.  

Q.4  Emotional Intelligence.  

Q.5  Trait Theories of Leadership.  

Q.6  Matrix Organizational Structure.  

PART-B

Application based long answer type question:

Q.7  You are an Advisor to a startup company in the field of mobile handsets. The field is extremely competitive and requires quick responses to both the competitors as well as the customers. Keeping in mind that “Structure impacts both the attitudes and behaviors of the people within it”, Design as per you, a good organizational structure for the company and explain its advantages.  

Q.8  Ram argues, “For every worker, there is one best motivational application to drive performance”. Amrita responds, “Nonsense—there is no single best way to motivate anyone.” Who is correct? Explain in detail with examples.
Q.1 Short answer questions:

a) What is the difference between Guidance and psychotherapy?

b) Mention any four limitations of ethical codes for psychologists.

c) Define Repression and Regression.

d) Mention any four qualities of a good test.

e) Mention any four activities of a school counselor.

2×5

PART-A

Q.2 Define ethics in counseling profession. What are the main sections of ACA code of ethics? 5

Q.3 What are the factors that influence counseling process? 5

Q.4 What are the issues in group? 5

Q.5 Explain solution focused counseling with an example. 5

PART-B

Q.6 Explain the Psychoanalytic approach to counseling with the help of a case study. 10

Q.7 Explain the Humanistic approach to counseling with the help of a case study. 10

Q.8 Explain the process of family counseling through a case study. 10
End Semester Examination, May 2019  
B.A. (Hons.) English — Fourth Semester  
WOMEN’S WRITINGS IN THE 19TH AND 20TH (BEH-DE-03)

Time: 2 hrs.  
Max Marks: 50  
No. of pages: 1  

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt ANY TWO questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Attempt any two of the following question:  
a) Discuss “Virginia Woolf” as a feminist writer.  
b) Write about the American literary critic Elaine Showalter.  
c) Analyze critically the poem Lady Lazarus by Sylvia Plath.  
d) Through Mrinal Pande’s writings explore the idea of devaluation of women in the Hindu society  

**PART-A**

Q.2 Discuss critically the poem “Bliss”. Also focus on the writing style of the poet.  
10  

Q.3 Elaborate on Elaine Showalter’s take on the neglected tradition of women writers in England.  
10  

Q.4 The symbol of women’s breast is a major theme in Mahashweta Devi’s “Breast Stories”. Elaborate this with the help of “Draupadi”.  
10  

**PART-B**

Q.5 Elaborate on the statement that Mamta G. Sagar in her “The Swing of Desire” has brought on the stage the important aspect of feminist debate that is on the violation of women’s right to her body.  
10  

Q.6 Critically examine Virginia Woolf’s take on the rights of women in the home-space.  
10  

Q.7 “The Wall is Safer reflects a woman, who is willing to resign into isolation and rejoices at the wall as a symbol of safety.” Justify this statement.  
10
Q. 1 Answer any two of the following questions:
   a) Define a historical novel with examples.
   b) Talk about the village deity in Kanthapura.
   c) Analyze the character of Ratna.
   d) Write about the character of Mani.  

   PART-A

   Q. 2 Trace the rise of the Indian English novel.  
   Q. 3 What purpose does Sohini’s assault serve in Untouchable? Why did Anand think it important to include her assault in the novel?  
   Q. 4 What is a political novel? Discuss with example from any Indian English novel.  

   PART-B

   Q. 5 Discuss the writer Raja Rao with special reference to his position as the leading trio of Indian English novelists.  
   Q. 6 Discuss how the novelist R. K. Narayan deals with child psychology in his novels.  
   Q. 7 Trace the glimpses of autobiographical elements in R. K. Narayan’s works.
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Economics – First Semester
MATHEMATICS FOR ECONOMICS-I (BAECO-103)

Time: 3 hrs. Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in all; Q.1 and Q.2 are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 a) Let \( p = \begin{bmatrix} 6 & 3 & 8 \end{bmatrix} \), find out \( pp' \).

b) Given \( u = a^v \). Find out \( \frac{du}{dv} \) if \( v = 2 \) and \( a = 5 \).

c) Given \( z = f(x, y) = (x + 4)(3x + 2y) \), find out \( f_x(2, 1) \).

d) Find out \( \int (u^3 + 2u^2 + 1) \, du \).

e) Suppose \( X = \{4, 5\} \), \( Y = \{3, 6, 7\} \) and \( Z = \{2, 3\} \). Find out \( X \cup (Y \cap Z) \).

f) For a function \( y = x^2 + 3x + 9 \), what will be the value of \( \frac{dy}{dx} \) to reach its extremum?

g) If \( y = \sum_{i=0}^{n} b_i x^i \), express it in general form of polynomial function.

h) If \( u = f(v_1, v_2) = 2v_1^2 + v_1v_2 + 9v_2^2 \), find out \( f_{v_1} \).

i) If \( P = \{1, 4, 5, 7, 9\} \) and \( Q = \{4, 9\} \) then find out whether \( Q \subset P \) or \( P \subset Q \).

j) For any two set A and B, show \( A \cup B \) using Venn diagram.

2×10

PART-B

Q.2 a) If average cost, \( AC = 12 - Q \) and \( MC = 4 \), find out \( Q \).

b) Given that \( Q_i \) is linearly related to \( P \). Express this relationship in exact functional form with an arbitrary slope \( \beta_i \) and constant term \( \beta_{0i} \). Define which is/are variable(s) and parameter(s) here.

c) Find out \( \frac{\partial z}{\partial y_1} \) and \( \frac{\partial z}{\partial y_2} \) for \( z = 5y_1^3 - 1y_1^2y_2 + 15y_2^2 \).

d) Evaluate the value of integral \( \int_2^4 3\sqrt{z} \, dz \)

\[
A = \begin{bmatrix} 1 & 0 & 3 \\ 2 & 1 & 5 \end{bmatrix}, \quad B = \begin{bmatrix} 1 & 3 \\ 2 & 5 \\ 6 & 2 \end{bmatrix}
\]

e) Find out \( C \), if \( C = A \times B \)

4×5

PART-C

Q.3 a) Let \( A = \begin{bmatrix} 2 & 0 \\ 0 & 3 \end{bmatrix}, B = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix} \), show that \( AB \neq BA \)

b) For the matrices: \( A = \begin{bmatrix} 1 & 2 \\ 0 & 1 \end{bmatrix}, B = \begin{bmatrix} 0 & -1 \\ 3 & 2 \end{bmatrix}, C = \begin{bmatrix} 1 & 1 \\ 2 & 1 \end{bmatrix} \), prove associative law.

4

5
c) Verify the distributive law: 
\[ P(Q + R) = PQ + PR \]
for the matrices:
\[ Q = \begin{bmatrix} 2 & -1 & 1 & 0 \\ 3 & -1 & 2 & 1 \end{bmatrix}, \quad R = \begin{bmatrix} -1 & 1 & 1 & 2 \\ -2 & 2 & 0 & -1 \end{bmatrix}, \quad P = \begin{bmatrix} 5 & 2 \\ 10 & 10 \end{bmatrix}. \]

\[ P = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}, \quad Q = \begin{bmatrix} \frac{1}{2} & -\frac{3}{10} \\ -\frac{1}{4} & \frac{1}{4} \end{bmatrix}. \]

d) Show that \( P \) and \( Q \) are inverse of each other.

Q.4  
\[ f(x, y) = x^4 y^2 - x^2 y^6 \]

\[ u = 5v^4 - 3v^3 + 7v^2 + 2v - 4 \]

\[ f(s, t) = 3s^2 t + 7st^2 \]

\[ d = p^3 - 3p^2 + 2 \]

Q.5  
\[ \int 3e^{2y^3} dy \]

\[ \int x e^{x^2} dx \]

\[ \int \frac{4w^4}{w^2 + 1} dw \]

\[ \int \frac{dy}{(y+2)(y+1)} \]

Q.6  
A firm produces two commodities: \( x \) and \( y \). The commodity \( x \) requires 2 man-hours for cutting, 1 man-hour for shaping and 3 man-hours for finishing while commodity \( y \) requires 2 man-hours for cutting 2 man-hours for shaping and 1 man-hour for finishing. Each day, the firm has available 140 man-hours for cutting 120 man-hours for shaping and 150 man-hours for finishing. If an unit of \( x \) yields profit of \( ₹10 \) and \( y \) yields \( ₹8 \).

\[ 10 \]

a) Using the above information, formulate a standard problem of LPP.

b) How many \( x \) and \( y \) should the firm produce each day in order to maximize profit?

Q.7  
\[ A = \{1, 2\} \]

b) Given sets: \( A = \{4, 5, 6, 7\}, B = \{3, 4, 6, 7\} \) and \( C = \{2, 3, 6, 7\} \) prove the associative property. For these sets, also show intersection using Venn diagram.

c) In the following cases, what will be the elements of set:

i) Positive whole numbers
ii) Natural numbers,
iii) Integer numbers,
iv) First four even numbers and
v) Natural colors.

d) Write a short note using suitable example or diagram on:

i) Equal set (say \( A = B \)),
ii) Null set,
iii) Proper/strict subset and
End Semester Examination, May, 2019
B.A (Hons) English– fourth Semester
ENGLISH DRAMA-III (BEH-404)

Time: 3 Hours
Max Marks: 100
No.of pages: 1

Note: Attempt FIVE questions in all. Q.No.1 is compulsory. Attempt any FOUR questions from PART-A and any TWO questions from PART-B. Marks are indicated against each question.

Q.1 Answer any Four of the following
(Explain given lines with reference and context):
   a) Thank, gracious young lady: I feel safe at last. And now would you mind breaking the news to your mother? I had better not stay here secretly longer than is necessary.
   b) No: I don’t want your kisses. Gentlefolk are all alike: you making love to me behind Miss Raina’s back; and she doing the same behind yours.
   c) Grief! A man who has been doing nothing but killing people for years! What does he care? What does any soldier care?
   d) Oh, it says here that he makes a very moving appeal to all Christians to do all they can to assist in the manufacturer of the H-Bomb.
   e) He had his own Jazz band once. That was when he was still a student, before. I knew him. I rather think he’d like to start another, and give up the stall altogether.
   f) You’re hurt because everything is changed. Jimmy is hurt because everything is the same. And neither of you can face it. Something’s gone wrong somewhere, hasn’t it?

   4x5

PART-A
Q.2 Describe the role of Raina and Bluntschli in Arms and the Man as the character who sets the machine of the play in motion.
   20

Q.3 What is the importance of Patkoff’s coat in this play?
   20

Q.4 Discuss the role and techniques of “Arms and the Man”?
   20

PART-B
Q.7 “Look in Anger” is a Modern play. Discuss
   20

Q.8 Look back in Anger reflects the mood of anger in the post-war, younger generation. Comment on particular reasons why this might be?
   20

Q.9 Describe the significance of Bear & Squirrel game in the drama “Look Back in Anger”.
   20
Q.1 Write short notes on the following (any four):
   a) Objectives of Environment.
   b) Difference between natural and man-made resource.
   c) Ecosystem.
   d) Biodiversity and its importance.
   e) Need of chemistry in daily life.
   f) Food-chain.

**PART-A**

Q.2 Define renewable and non-renewable energy. Write advantages and disadvantages of renewable and non-renewable sources with a suitable example.  

Q.3 What is the role of education to make the environment neat and clean?  

Q.4 Write a short note on any two of the following:
   a) Environmental energy.
   b) Sustainable and unsustainable development.
   c) Pollution and population.

**PART-B**

Q.5 Clearly explain, citing relevant example, how overpopulation affects the environment.  

Q.6 Explain population growth and effect on environment with an appropriate example.  

Q.7 Write a note on any four of the following:
   a) Climate change and global warming.
   b) Role of information technology in environment and human health.
   c) Wasteland Reclamation.
   d) Conservation of natural resources.
   e) Solid waste management and Agriculture.
Q. 1 Answer (any four) of the following:
   a) Mention at least three literary movements in the Victorian period and their objectives.
   b) What is an epistolary novel? Give two examples.
   c) What are some symbols in Pride and Prejudice? How do they relate to the plot and characters?
   d) What does The Mill on the Floss show are the benefits of hardship?
   e) How does the idea of constancy of emotion and love figure into the novel “David Copperfield” and illuminate David’s character.
   f) Are there Victorian authors that don’t fit in with the concerns and styles of the period? Why? Can they be grouped with a different time or set of authors?

PART-A

Q. 2 The Victorian era technically begins with Queen Victoria taking the throne, and it abruptly ends when she dies. But does it make sense to define a literary period by the person on the throne? Discuss.

Q. 3 The Victorian Age is essential the age of the novel or fiction. Describe important characteristics of First Generation Victorian novels.

Q. 4 Jane Austen’s original title for the novel was First Impressions. What role do first impressions play in Pride and Prejudice?

PART-B

Q. 5 Critique the ending of the Mill on the Floss. Does Maggie’s death enrich or detract from the novel’s themes?

Q. 6 Charles Dickens has often been accused of melodrama in his prose. Melodrama is a mode of storytelling that ignores usual rules of cause and effect to exaggerate the emotional effect of the story. Does the emotional content of the characters’ interactions overcome any concerns about realism? What scenes in this novel do you find had to believe? Why or why not?

Q. 7 Trace the development of the novel as a literary form in England.
End Semester Examination, May 2019
B.A. (Hons.) English — Second Semester
ELEGY AND SATIRE (BEH-205)

Time: 3 hrs.                      Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt ANY TWO questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Answer any four of the following questions:
   a) What are the main characteristics of a traditional elegy?
   b) Why is it important that the character that shows Gulliver the most kindness in Gulliver's travels, Part 2, is a young girl?
   c) Why does Gulliver accept another voyage so soon after coming home from Brobdingnag in Gulliver's travels, Part 3?
   d) What kind of redemption or solace does the speaker have in the face of death in Thomas Gray's “Elegy Written in a Country Churchyard”?
   e) How does Gray ruminate on death in his “Elegy written in a country churchyard”? What is the subject matter of the poem “The Vanity of Human”?

   

   PART-A

Q.2 What is the main purpose of a satire? Analyze the characteristics of a satire.  

Q.3 How are both Gulliver and the king of Brobdingnag guilty of being closed-minded in Gulliver's travels, Part 2?

Q.4 What are some of the outlandish political ideas the academy professors present in Gulliver's travels, Part 3, and how do they criticize government practices?

   

   PART-B

Q.5 Why do you think Gray uses so much personification? Why, for example, does he say “Let not Ambition mock their useful toil” in line 29, instead of, “Hey, ambitious people, don't make fun of these guys”? What's the effect on your reading?

Q.6 Who are the characters of “Ode on the Death of a Favorite Cat”, “Drowned in a Tub of Gold Fishes” by Thomas Gray? Explain.

Q.7 Discuss the prominent features of neoclassical literature in “The Vanity of Human Wishes”.

   

   5×4

   20

   20

   20

   20

   20

   20

   20
Q.1 Write short notes on any four of the following:
   a) Channels and kinds of communication.
   b) SWOT analysis.
   c) Importance of written communication is current scenario.
   d) Letter and report writing.
   e) General and professional communication.

   \[5 \times 4\]

PART-A

Q.2 What is the difference between technical and professional communication? Write an appropriate example of each.

\[10\]

Q.3 Define “Global Communication”. How this is helpful for cross culture?

\[10\]

Q.4 Write 7C of communication briefly.

\[10\]

PART-B

Q.5 Write short notes on any two of the following:
   a) Culture and communication.
   b) Impact of communication on modern business.
   c) Information technology and communication.

   \[5 \times 2\]

Q.6 Write a Letter to Municipal Corporation of your city complaining about the miserable condition of roads in your locality.

\[10\]

Q.7 What do you mean by media or channel of communications? Explain some medium of written communication for management.

\[10\]
End Semester Examination, May 2019  
Masters of Social Work – Second Semester  
SOCIAL WELFARE ADMINISTRATION (MSW-205)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt EIGHT questions in all; Q.1 is compulsory. Attempt any FIVE questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 a) Define the term social welfare administration.  
b) Define the term service providers.  
c) Define the term public relation in context of welfare organization.  
d) Define the term two – way communication.  
e) What is the scope of grant-in-aid in context of management of welfare organization?

2×5

PART-A

Q.2 Elaborate the principles of social welfare administration.  
4

Q.3 Elaborate the role of administration in management of welfare organization through field work example.  
4

Q.4 Discuss the functions of limitations of authority in context of administration of welfare organization.  
4

Q.5 What are the main problems of decision making process?  
4

Q.6 Discuss the methods of appraisal of staff in welfare organization.  
4

Q.7 Discuss the significance of documentation in relation of management of welfare programme.  
4

PART-B

Q.8 Explain the importance of social welfare administration in management of welfare organization in India.  
10

Q.9 Discuss the role of social welfare professional in management of welfare organization.  
10

Q.10 Elaborate the scope of social welfare administration with suitable field work examples.  
10
Q.1 Answer the following questions under 50 words each:
   a) How are terms of trade calculated?
   b) Explain labor saving technical progress.
   c) Enumerate factors that give a concave production function.
   d) State “Rybczynski theorem”.
   e) Is monetary policy effective in an open economy with perfect capital mobility and fixed exchange rates? Explain using diagram.
   f) Explain the concept of complete specialization.
   g) When is a country termed as labour abundant?
   h) Using a suitable example, how gains from trade accrue under absolute advantage theory.
   i) State the assumptions for absolute price equalization between nations.
   j) What is meant by the optimum tariff? 2×10

PART-A

Q.2 Answer any four of the following questions:
   a) What does an improvement in a nation's terms of trade mean? What effect does this have on the nation's welfare?
   b) What are two important limitations of the Heckscher-Ohlin theory? Explain.
   c) What is the effect on the volume and terms of trade if a nation's offer curve shifts or rotates toward the axis measuring its exportable commodity?
   d) What is meant by the consumption, production, trade, revenue, and redistribution effects of a tariff?
   e) Under what conditions is the formation of a customs union more likely to lead to trade creation and increased welfare? 5×4

PART-B

Q.3 a) State the assumptions of the Heckscher-Ohlin theory. What is the meaning and importance of each of these assumptions? 10
   b) Derive "Offer Curve". What explains its shape? 10

Q.4 a) What does the factor-price equalization theorem postulate? What is its relationship to the international mobility of factors of production? 10
   b) What is meant by the Leontief paradox? What are some possible explanations of the paradox? How can human capital contribute to the explanation of the paradox? 10

Q.5 Using general equilibrium analysis and assuming that a nation is large, indicate the effect of an import tariff on the nation's offer curve, the nation's terms of trade, the volume of trade, the nation's welfare, and the distribution of income between the nation's relatively abundant and scarce factors. 20
Q.6  a) What is meant by dumping? What are the different types of dumping? Why is dumping undertaken? What conditions are required to make dumping possible? Why does dumping usually lead to trade restrictions?  

b) Discuss the theory of second best.  

Q.7  What is meant by trade creation? What static welfare effects will a trade-creating customs union have on member nations and on the rest of the world? How do these static welfare effects arise? How are they measured?
End Semester Examination, May 2019
B.A. (Hons.) English — Sixth Semester
LITERARY THEORY AND CRITICISM - II (BEH-604)

Time: 3 hrs.  
Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1  Answer (any four) of the following questions:
   a) Coleridge’s objection to Wordsworth’s use of the term “Real Language of Men”.
   b) Explain how F.R. Leavis’s qualifies Jane Austen as the writer of the great tradition.
   c) Explain “New Criticism” as a literary movement.
   d) Explain with reference to context “The difference between the present and the past is that the conscious present is an awareness of the past in a way and to an extent which the past’s awareness of itself cannot show”.
   e) Explain with reference to context “Poetry is the spontaneous overflow of powerful feelings: it takes its origin from emotion recollected in tranquility.”
   f) Explain “Concept of Metaphor” as given by I. A. Richards.

PART-A

Q.2  Define “Wordsworth’s Theory of Poetic Diction”. Explain how Coleridge refutes this theory of Wordsworth.  

Q.3  Discuss the terms “Primary” and Secondary imagination”. Explain how does Coleridge define “Fancy” as different from “Imagination”. Explain how Coleridge believes in imagination as vehicle for truth.

Q.4  Explain the term “New Criticism”. Explain the ideas of T. S. Eliot and F.R. Leavis on the functions of criticism.

PART-B

Q.5  Discuss the T.S. Eliot’s theory of “Dissociation of Sensibility” and “Depersonalization” with quoted examples.

Q.6  Describe I.A. Richards’s views on “Scientific” and “Emotive” use of language. Discuss his idea of “Happy play of impulses”.

Q.7  Discuss the F.R. Leavis’s views on function of criticism in detail.
End Semester Examination, May 2019  
BA / B.Sc. (Hons.) Applied Psychology – Sixth Semester  
EDUCATIONAL PSYCHOLOGY (BPSY-C-603)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines.
   a) Define the term token economy.
   b) Define the term negative reinforcement with example.
   c) Write three types of learning style.
   d) Write full form of IEP.
   e) Define the term scaffolding.  

   PART-A

Q.2 Guidelines to support student during parent’s separation.  
Q.3 Guidelines to help student with eating disorder.  
Q.4 Guidelines to support student with Intellectual Disabilities.  
Q.5 Bloom’s taxonomy.  
Q.6 Maricia’s identity Status.

   PART-B

Q.7 Compare the theories of Bronfenbrenner and Erickson with help of model.  
Q.8 Explain Operational Conditioning. What strategies to advise them for using operant conditioning to encourage positive behavior?  
Q.9 What is cyber bullying? Give guidelines in dealing with aggressive kids and encouraging cooperation.  
Q.10 What is positive self-image? Write an IEP to improve positive self-image.

\[2 \times 5\]
End Semester Examination, May 2019
B.A./ B. Sc. (Hons.) Applied Psychology — Second Semester
MULTIVARIATE STATISTICS (BPSY-C-205)

Time: 3 hrs.  
Max Marks: 50
No. of pages: 1

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory.** Attempt any **FOUR** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

**Q.1** Answers the following questions:
  a) Describe four different methods of calculating correlation.
  b) What is scree plot in factor analysis?
  c) We conduct f test to calculate ________.
  d) Write the full form for GFI and TLI
  e) ANCOVA stands for ________.

**PART-A**

Q.2 Write a note on discriminant function analysis.

Q.3 Calculate the appropriate statistics from the following data.

<table>
<thead>
<tr>
<th>Cases</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICE</td>
<td>EXP Exposed (59)</td>
</tr>
<tr>
<td>CREAM</td>
<td>Not Exposed (88)</td>
</tr>
<tr>
<td></td>
<td>a</td>
</tr>
</tbody>
</table>

Q.4 How biserial and point biserial correlations are different from each other? Explain.

Q.5 Calculate the appropriate statistics from the following data and interpret the results:

<table>
<thead>
<tr>
<th>Source of Variation</th>
<th>ss</th>
<th>df</th>
<th>ms</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Section)</td>
<td>22</td>
<td>1</td>
<td>22</td>
<td>4.4**</td>
</tr>
<tr>
<td>B (Pedagogy)</td>
<td>8</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>AB</td>
<td>140</td>
<td>2</td>
<td>70</td>
<td>14**</td>
</tr>
</tbody>
</table>

Q.6 Write a short note on multiple regressions.

Q.7 Describe different domains of multivariate statistics.

**PART-B**

Q.8 Write a critical note about structural equation modeling and explain its usage.

Q.9 Calculate the appropriate statistics from the following. The data describe the salary differences of three groups:

Women: 23K, 41K, 54K, 66K, 90K
Men: 45K, 55K, 60K, 70K, 72K
Minorities: 20K, 30K, 34K, 40K, 44K

Critical Value: 5.99 at 0.05 level
Q.10 Calculate the appropriate statistics from the following data and interpret the results:

<table>
<thead>
<tr>
<th></th>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>23</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>43</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>23</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>43</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>45</td>
<td>56</td>
<td></td>
</tr>
</tbody>
</table>

Critical Value (2,12)- 3.8 at 0.05
Q.1 Answers of the following questions:
   a) Define “Psychological testing”.
   b) What are the major contributions of Galton to psychological testing?
   c) Power test refers to _________.
   d) Criterion validity is actually _________.
   e) WISC was constructed by _________.

2×5

PART-A

Q.2 Describe the characteristics of a good item.

5

Q.3 If 40 out of 100 students do a question correctly then calculate item difficulty index.

5

Q.4 What is item analysis?

5

Q.5 If the two administration of the same test on same population are found to be correlated at .90, please calculate the reliability of the test.

5

Q.6 Write a critical note on face validity.

5

Q.7 If a test has a reliability of .60 and validity of .30. If we have to increase validity to .35 how many questions will be required to do so?

5

PART-B

Q.8 What is psychological testing? Describe the major millstones of psychological testing. 10

Q.9 Critically evaluate the concept of reliability and explain the different types of reliability. 10

Q.10 Following are the scores of two administration of the test please calculate the reliability from the same:

<table>
<thead>
<tr>
<th>First Administration</th>
<th>30</th>
<th>70</th>
<th>37</th>
<th>36</th>
<th>50</th>
<th>50</th>
<th>47</th>
<th>50</th>
<th>37</th>
<th>41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Administration</td>
<td>29</td>
<td>66</td>
<td>33</td>
<td>35</td>
<td>40</td>
<td>46</td>
<td>47</td>
<td>42</td>
<td>36</td>
<td>41</td>
</tr>
</tbody>
</table>

10
End Semester Examination, May 2019
BA / B.Sc. (Hons.) Applied Psychology – Fourth Semester
LIFE SPAN DEVELOPMENT (BPSY-C-401)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines.
   a) Define child development.
   b) Females typically have two of the same kind of sex chromosome (XX): (True/False)
   c) Give three examples each of Dominant Characteristics and Recessive Characteristics.
   d) Define eye blink reflex.
   e) Define the state of Quiet Alertness. 2×5

**PART-A**

Q.2 What are Teratogens? With examples of teratogens, explain how they impact the development of the fetus? 5

Q.3 Explain the function of newborn reflexes and describe the changing states of arousal during infancy, with special emphasis on sleep. 5

Q.4 Explain Ecological systems theory by Urie Bronfenbrenner. 5

Q.5 According to Piaget, how does cognition develop? Explain sensorimotor stage of cognitive development. 5

Q.6 Explain, in brief, any two emotions in children. 5

Q.7 How do we learn social behavior? Explain the foundations of social behavior laid in early childhood. 5

Q.8 How do education, work and health impact cognition in elderly individuals? 5

**PART-B**

Q.9 Suppose, you are employed as an Activities Coordinator in a daycare organization. Your task is to help children inculcate social behavior pattern and curb unsocial behavior patterns. Which social behavior patterns will your encourage in children and which one will you discourage and how? 10

Q.10 Suppose you have to give a presentation on Vygotsky’s Socio Cultural theory to a group of parents with children in early childhood stage. Prepare a detailed presentation on how you would do it? 10
Q.11 Prepare a presentation for expectant mothers on the major milestones achieved by a child in Parental Period.

End Semester Examination, May 2019
Masters of Social Work – Second Semester
SOCIAL WORK PRACTICE WITH INDIVIDUALS (MSW-201)

Time: 3 hrs.                          Max Marks: 50
No. of pages: 1

Note: Attempt EIGHT questions in all; Q.1 is compulsory. Attempt any FIVE questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 a) Explain the objectives of Social work practice while working with individuals.
b) Explain the stages of social work practice for working with individuals.
c) Explain the term Empathy.
d) Explain what you understand by verbal and non-verbal communication?
e) Differentiate between social service and social welfare. 2×5

PART-A
Q.2 Explain the role of social worker while working with individuals. 4
Q.3 What is the importance of each phase of working with individuals? 4
Q.4 Explain the skills required for working with individuals in preliminary stage. 4
Q.5 Explain the skills required in the middle phase of working with individuals. 4
Q.6 What is the importance of understanding the process of growth of an individual? 4
Q.7 Explain the process of development in an individual. 4

PART-B
Q.8 Explain the importance of active listening for working with individuals. 10
Q.9 What is the importance of termination in the process of working with individuals? 10
Q.10 Explain the application of Social work practice. 10
Q.11 Explain the Do’s and Don’ts for practicing social work with individuals. 10
End Semester Examination, May 2019
MA (Applied Psychology) – Second Semester
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (MPSY-C-203)

Time: 3 hrs. 
Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 a) Hawthorne studies was started by whom.
    b) Define organizational culture.
    c) Who gave “Expectancy theory”?
    d) “Managerial Grid” was proposed by.
    e) Write three forms of “organizational commitment.

PART-A

Q.2 Write a short notes on ‘organizational structure’ and its importance.

Q.3 Describe the concept of job satisfaction with special reference to its antecedents.

Q.4 Describe the LMX theory of Leadership.

Q.5 Describe the “Organizational Trust” and mention the relevant studies.

Q.6 Explain the “Equity Theory” of Work Motivation.

PART-B

Q.7 Give a brief history about the field of “Organizational Behavior”.

Q.8 Describe any three content theories of Work Motivation.

Q.9 Explain the Behavioral Approach to Leadership.

Q.10 Describe the concept of workplace spirituality organizational commitment.
End Semester Examination, May 2019  
BA (Hons.) ENGLISH – Sixth Semester  
MODERN EUROPEAN DRAMA (BEH-602)

Time: 3 hrs  
Max Marks: 100  
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from Part-A and TWO questions from Part-B. Each question carries equal marks.

Q.1 Explain the following passages with reference to the context (any Four):
   a) “I shall advice you and guide you. I should not be a proper man if you feminine helplessness didn’t make you twice as attractive to me”.
   b) “...now I find that the law is quite different from what I thought. And I simply cannot convince myself that the law is right. That a woman shouldn’t have the right to spare her old father on his deathbed or to save her husband’s life!”
   c) ... a strange man is a marvel, with his mighty talk; but what’s a squabble in your back yard, and the blow of a loy, have taught me that there’s a great gap between a gallous story and a dirty deed.”
   d) To be letting on he was dead, and coming back to life, and following after me like an old weasel tracing a rat, and coming in here laying desolation between my own self and the fine women of Ireland”
   e) “There are no god-fearing people left: that is the naked truth which you will not recognize.”
   f) “To be good to you, my son, I shall be a tigress to all others.”

   5x4

PART-A

Q.2 Why does Nora decide to leave her husband? Critically examine the development of Nora from a self-satisfied wife in patriarchal setup to a rebellious woman.  

Q.3 Do you agree with the ending of the play The Doll’s House? If no suggest an alternative ending with justification.  

Q.4 Compare and contrast the character of Nora Helmer with that of Mrs. Linde. What is the significance of Mrs. Linde play in overall dramatic design of the play The Doll’s House?  

PART-B

Q.5 In the vile world today can a person remain virtuous and can still protect his/her self-interest? Explain with reference to the struggle and predicament of Shen-Teh in retaining her goodness.  

Q.6 Examine The Good Person of Szechwan as an ‘a parable on Capitalism’.  

Q.7 Bring out the character sketch of Pegeen? Do you take her as ‘the New Woman’ emerged during the first decade of the Twentieth Century or just a weak traditional girl?
End Semester Examination, May 2019  
BA (Applied Psychology) – Sixth Semester  
SPORTS PSYCHOLOGY (BPSY-C-601)

Time: 3 hrs.                      Max Marks: 50
No. of pages: 1

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory**. Attempt any **FOUR** questions from **Part-A** and **TWO** questions from **Part-B**. Marks are indicated against each question.

Q.1 Write short answers on the following questions:
   a) Observation as a method in sports psychology.
   b) Define disabilism.
   c) What are the three life skills based on self-deterministic theory?
   d) Significance of REBT in sports psychology.
   e) What are problem focused and emotion focused coping used by athletes?  

**PART-A**

Q.2 Highlight with examples, the roles of imagery for athletes.  

Q.3 Compare the reductionistic and re-structure approach to anxiety management in sports.  

Q.4 Discuss athletic triangle and interventions related to this triangle which are used by sports psychologist.  

Q.5 Describe the substance abuse disorder and its association with depression among athletes.  

Q.6 How is disability perceived in Indian sports?  

**PART-B**

Q.7 ‘Sports psychology as an interdisciplinary field has developed gradually since 1920s’. Comment on the statement by highlighting significant decades.  

Q.8 Compare and contrast any two personality traits which are studied in contemporary sports personality research.  

Q.9 What do you understand by psychopathology in sports? Describe in detail any one disorder evident inn female athlete.  

Q.10 Using suitable examples discuss the various components of diversity in sports.
End Semester Examination, May 2019
B.A. (Hons.) Economics – Sixth Semester
INDUSTRIAL ECONOMICS (BAEH-G-603)

Time: 3 hrs.  Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
   a) What do you understand by term industry?
   b) Define large scale industries.
   c) What are ubiquitous raw materials?
   d) What is Location factor?
   e) List the two sources for economies in production.
   f) Why is the division of labor beneficial to large scale production?
   g) What is Multinational Corporation?
   h) What are the benefits of Privatization?
   i) What is globalization?
   j) Why were reforms introduced in India? 2×10

PART-B

Q.2 Attempt (any four) of the following:
   a) Briefly explain the causes for slow progress of industrialization in India.
   b) What do you mean by partnership? Highlight different types of partnership and their characteristics.
   c) What are the main features of new industrial policy 1991? Discuss.
   d) What are the harmful effects of MNC’s to a host country? Give three examples.
   e) Discuss the reasons for implementing LPG. 5x4

PART-C

Q.3 a) Define the term industrial localization. Explain the factors which influence the location of Industries. 10
   b) Discuss critically Sargant Florence’s inductive theory of industrial localization. 10

Q.4 a) Describe the causes and types of internal economies. 5
   b) What do you mean by external economies of scale? Explain different parts of external economies of scale. 5
   c) Explain advantages and disadvantages of large scale of production. 5
   d) Discuss why economies of scale arise? 5

Q.5 a) Discuss Synergy with reference to merger. 5
   b) What’s the difference between a Merger and an Acquisition? 5
   c) What is conglomerate merger? 5
d) Why do many mergers fail? 5

Q.6 a) Examine the role of public sector undertakings in helping government to mobilize resources for reducing fiscal deficit and undertaking developmental works. 10

b) Discuss the positive as well as negative features of Industrial Growth during the plan periods. 10

Q.7 Write short notes on:

a) Current problems of small scale industries in India. 10

b) Role of SIDC in promoting industrial activities. 10
End Semester Examination, May 2019
B.A. (Hons.) Economics – Fourth Semester
PUBLIC ECONOMICS (BAEH-C-404)

Time: 3 Hours
Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in all. Q.1 of PART-A and Q.2 of PART-B are compulsory. Attempt any THREE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer all the following questions:
   a) Based on the two main characteristics of public goods, classify commodities in 2x2 matrix.
   b) Define free riding in an economy.
   c) What are quasi-public goods? Explain.
   d) Write two main roles of erstwhile Planning Commission in India.
   e) Why a private cost differs from a social cost?
   f) Explain the meaning of incidence of a tax.
   g) Why there is horizontal inequality in federal fiscal structure of India?
   h) Write the key features of GST in India.
   i) Explain network externality with an example.
   j) What are the different years’ information available in public budget?

PART-B

Q.2 Answer (any four) of the following:
   a) Define extremely with twofold classifications.
   b) Explain the traditional cannons of taxation in an economy.
   c) Explain the indirect tax structures in India during pre-GST regime.
   d) Write a short note on the key channels of vertical devolution in India.
   e) What are the key roles of Finance Commission in India?

PART-C

Q.3 Answer (any three) of the followings:
   a) Explain the inefficiency for presence of externality in private market.
   b) Write a note on the allocative and distributive roles of government in a modern economy.
   c) Briefly explain economy-environment circular flow model for government intervention in market.

Q.4 a) Explain the Ability-to-Pay principle in terms of horizontal versus vertical equity.
b) Suppose the government imposes (a) a lump sum tax and (b) a unit tax on production. Comment whether it would affect the price of commodity?
c) A unit tax on production is imposed but it does not able to change the price of commodity. Explain it with possible shape of market-DD or market-SS applicable for both (i) consumer and (ii) producer.
Q.5  
  a) How the Govt. determines optimum supply of public goods in Samuelson economy? 12  
  b) Using a suitable example of ‘tragedy of the commons’, explain free-riding issue with respect to property rights? 8

Q.6  
  a) What do you mean by fiscal federalism? Explain the federal fiscal structure of India? 7  
  b) Compare the functions of NITI Aayog with erstwhile Planning Commission. 8  
  c) Write a brief note on the ToR before 15th Finance Commission of India. 5

Q.7  
  a) What were the main concerns for tax structures before liberalization? Compare the VAT-System with GST-System in India. 10  
  b) Using a suitable numerical example, explain how the IGST works in India? 4  
  c) What are the broad source of non-tax revenues for State Governments? Roughly sketch the broad heads of State-Government budget. 6
End Semester Examination, May 2019
BA / B.Sc. (Hons.) Applied Psychology – Fourth Semester
RESEARCH METHODOLOGY (BPSY-C-402)

Time: 3 hrs. \hspace{2cm} \text{Max Marks: 50}

Note: Attempt \textbf{SEVEN} questions in all; \textbf{Q.1 is compulsory}. Attempt any \textbf{FIVE} questions from \textbf{Part-A} and \textbf{TWO} questions from \textbf{Part-B}. Marks are indicated against each question.

\begin{enumerate}[Q.1]
    \item a) Staple scaling was given by.
    \item b) Define snowball sampling.
    \item c) Arrange the following in ascending order of secondary variance: Laboratory Experiment, Export Facto, Field Exp.
    \item d) Differentiate between research method and research methodology.
    \item e) How many comparisons are possible in item attitude scale? \hspace{1cm} 2\times5
\end{enumerate}

\textbf{PART-A}

Q.2 \hspace{1cm} Design an experiment and mention its IV, DV and EV. \hspace{1cm} 4
Q.3 \hspace{1cm} Describe Quota Sampling and Area Sampling with example. \hspace{1cm} 4
Q.4 \hspace{1cm} Describe Non-comparative scaling method. \hspace{1cm} 4
Q.5 \hspace{1cm} Explain ‘Observation’ as a method of data collection. \hspace{1cm} 4
Q.6 \hspace{1cm} Describe the quantitative method of data analysis and differentiate among them. (+ - test and correlation). \hspace{1cm} 4
Q.6 \hspace{1cm} Give a brief description about descriptive statistics. \hspace{1cm} 4

\textbf{PART-B}

Q.8 \hspace{1cm} Describe the process of Research, its objectives and its types. \hspace{1cm} 10
Q.9 \hspace{1cm} Explain the method of Thematic Analysis. \hspace{1cm} 10
Q.10 \hspace{1cm} Explain briefly about Case Study. \hspace{1cm} 10
End Semester Examination, May 2019
Masters of Social Work – Second Semester
SOCIAL WORK PRACTICE WITH GROUPS (MSW-202)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt EIGHT questions in all; Q.1 is compulsory. Attempt any FIVE questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 a) Give definition of Group and name the types of groups.
b) Explain the term social group work.
c) Explain the functions of social institutions.
d) Explain the term social institutions.
e) Explain what you understand by the term social change?

2×5

PART-A

Q.2 Explain the five primary social institutions.

4

Q.3 What are the functions of the Government as a social institution?

4

Q.4 Explain the term social change and how it occurs in groups?

4

Q.5 How does religion play an important role in shaping the social life of groups?

4

Q.6 Explain the characteristics of social change.

4

Q.7 Explain the process formation of groups.

4

PART-B

Q.8 Explain the process of development of Norms in a group.

10

Q.9 What is the importance of resolution of conflicts in a group?

10

Q.10 Why is termination important in group work and when should termination process be initiated in group work?

10
End Semester Examination, May 2019
M.A. (Applied Psychology) – Second Semester
APPLIED DEVELOPMENTAL PSYCHOLOGY-I (MPSY-C-205)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Write short answers for the following:
   a) Define: Developmental psychology
   b) Explain in brief: Emotional catharsis
   c) The psychosocial theory of child development is given by Erik Erikson: (True/False)
   d) Explain in brief: Initiative versus guilt.
   e) Explain in brief the latency stage.  

PART-A

Q.2 With relevant research examples, explain in depth, anyone theory of development. 5

Q.3 Why did Piaget term development as an “active construction process”? With relevant research examples, explain any one stage of cognitive development given by Piaget. 5

Q.4 Explain any one emotional pattern experienced by children. 5

Q.5 What is attention deficit hyperactive disorder? Explain the signs and symptoms of ADHD. 5

Q.6 What are the two eating disorders which are common during adolescence? Explain. 5

PART-B

Q.7 Vygotsky focused on the social, cultural and historical basis of development. Using Vygotsky’s theories, develop a workshop for parents of young children on effective ways for enhancing cognitive development for their children. 10

Q.8 Prepare a workshop elucidating the emotions children feel, with special reference to how emotional balance could be established on children. 10

Q.9 Suppose you are working with a group of adolescents between the ages of 14 years and 19 years where high rates of sexual activity and teenage pregnancy is reported. What are the characteristics you might notice about adolescents who are at risk for risky sexual behavior? Prepare a presentation informing the students about sexually transmitted diseases and adolescent pregnancy and parenthood. 10
End Semester Examination, May 2019
B.Sc. / B.A. (Hons.) Applied Psychology – Fourth Semester
STRESS MANAGEMENT (BPSY-D-405)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SIX questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and ONE question from PART-B. Marks are indicated against each question.

Q.1 Short answer questions:
   a) How do narcissists see themselves?
   b) What is Type A personality?
   c) What is Tend-and-Befriend?
   d) What is the Sympathetic response to stress?
   e) What is the importance of learning to say No?  2×5

   PART-A

Q.2 Explain the concept of Enabling and Codependency with an example.  5
Q.3 Explain the General Adaptation Syndrome in detail with a diagram.  5
Q.4 Explain how managing your boundaries helps to reduce Stress.  5
Q.5 80 / 20 Pareto principle.  5
Q.6 The Eisenhower decision matrix.  5

   PART-B

Q.7 Create a detailed action plan for weight loss using behavioral principles.  20
Q.8 You have been invited to conduct a four hour workshop for students of class X on the topic of stress management. Explain in detail any three stress management techniques that you would teach them.  20
Q.1 Answer the following questions:
   a) Mention any two differences between the two classificatory systems of psychopathology.
   b) Mention the issues with diagnosis.
   c) Define ‘Mental Disorders’.
   d) According to DSM-5, mention the eating disorder.
   e) Define ‘abnormal psychology’.

   \[2 \times 5\]

PART-A

Q.2 What is the diagnostic criterion for schizophrenia? \[5\]

Q.3 Explain mood disorders and their symptoms in brief. \[5\]

Q.4 Describe the clinical features of somatic symptom disorder. \[5\]

Q.5 Describe the DSM-5 criteria of sexual disorders. \[5\]

Q.6 Present a case study on any one anxiety disorder. \[5\]

PART-B

Q.7 Kanshika, a 36-year-old woman presents to you clinic stating that she is troubled by headaches and fatigue. She says that she always feels tired and can't sleep well, often waking up early. She describes her headaches as dull, aching and generalized. These symptoms began about three weeks ago and have been getting worse. She reports a lack of interest in her usual activities. She also reports that she is missing work due to fatigue and inability to concentrate. She is facing excessive guilt as she is not able to give time to her husband and is having frequent crying spells. She reports not sleeping well and a loss of appetite, with a weight loss of 5 kgs in the last month. What diagnosis will you formulate for her? \[10\]

Q.8 Present a case study on any two Paraphilia’s. \[10\]

Q.9 Present a case study on any one Childhood disorder. \[10c\]
End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) Economics – Fourth Semester  
COMMUNICATION AND WRITING SKILLS (BAEH-F-401)

Time: 3 hrs.  
Max Marks: 50

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

**PART-A**

Q.1 a) Write the points to be taken care while writing a formal e-mail.  
   b) Explain the purpose of boiler plate in press release.  
   c) What are the selection criteria of Group Discussion?  
   d) Write the difference between Prefix and Suffix.  
   e) Name the different types of report writings.  

2x5

**PART-B**

Q.2 Attempt (any four) of the following:  
   a) What are the ways to effective presentation?  
   b) What do you understand by idioms? Complete the exercise below:  
      i) At just 100 dollars, the laptop was a _________  
         a) Steal b) Deal c) Robbery  
      ii) If you are on the lam, you are on the _________.
         a) Prison b) Run c) Monastery
      iii) He and his cousins are as thick as _________.  
         a) Friends b) Thieves c) Robbers
      iv) If you can sell a $100 product for $1000, you will make out like a ________  
         a) King b) Bandit c) Tycon

2x5

**PART-C**

Q.3 a) You have to read the following sentences and underline the word or words that belong to the part of speech:  
   i) Masons build houses. Masons is a/an _________.  
      a) Verb b) adverb c) Noun  
   ii) John is my best friend. Here John is a/an _________.  
      a) Proper noun b) collective noun c) Common noun  
   iii) She looked up but didn’t see anything. Here up is a/n _________.  
      a) Verb b) Adverb c) Conjunction  
   iv) My family live in different parts of India. Here family is a/an _________.  
      a) Common noun b) Abstract noun c) Collective noun  

5

b) Fill in the blanks with an appropriate preposition.  
   i) We walked _________ the edge of the desert.  
      a) As far as b) up to c) until  
   ii) It is another three weeks _________ the holidays.
a) To  b) until  c) for  d) up to

iii) I don’t know how she manages to support such a large family. She has nothing ________ her pension.
   a) Besides  b) except  c) apart from  d) all of these

iv) Are you wearing anything ________ your sweater.
   a) Below  b) under  c) underneath  d) either under or underneath

Q.4  a) Convert the following active sentences into passive sentences by supplying an appropriate passive verb form.
   i) She has won the first prize / First prize ________ by her.
      a) Has won  b) has been won  c) had been won
   ii) A friend of mine is repairing the car. / The car ________ by a friend of mine.
       a) Is repairing  b) is repaired  c) is being repaired
   iii) The immigration officer questioned us. / We ________ by the immigration officer.
       a) Were questioning  b) were questioned  c) were being questioned
   iv) They speak English in Nagaland. / English ________ in Nagaland.
       a) Is speaking  b) is spoken  c) is being spoken

b) Explain the Do’s and Don’ts of the Group discussion.

Q.5  a) Design your self introduction that is to be used in an interview.
   b) Identify your strengths and weakness to be told in an interview.

Q.6  a) Prepare your CV with all the important points in it.
   b) Fill in the blanks with an appropriate adjective.
      i) My ________ sister is a journalist.
         a) Elder  b) older  c) either could be used here
      ii) He is the ________ member of the club.
          a) Oldest  b) Eldest  c) either could be used here
      iii) She was happy when she got the job but two weeks ________ she was fired.
           a) later  b) latter  c) either could be used here
      iv) She could become an actor or a model – she chose the ________ option.
          a) Later  b) latter  c) Either could be used here
End Semester Examination, May 2019
BA (Hons.) ENGLISH – Sixth Semester
CONTEMPORARY LITERATURE (BEH-603)

Time: 3 hrs  Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from Part-A and TWO questions from Part-B. Each question carries equal marks.

Q.1 Explain (any four) of the following with reference to the context:
   a) I did not know what to say, my mouth
      had no way
      with names,
      my eyes were blind,
      and something started in my soul,
      fever or forgotten wings,
      and I made my own way,
      deciphering that fire,

   b) Where are you monuments, your battles, martyrs?
      Where is your tribal memory? Sirs,
      In that gray vault. The sea. Is History.

   c) Thought nights like this one I held her in my arms
      I kissed her again and again under the endless sky.
      She loved me sometimes, and I loved her too.
      How could one not have loved her great still eye?

   d) Between this Africa and the English tongue I love?
      Betray them both, or give back what they give?
      How can I turn from Africa and live?

   e) I return to the story
      of the woman caught in the war
      & in labor, her thighs tied
      together by the enemy
      So she could not give birth.

   f) She is everywhere, intrusive as the smells
      that bulge in under my doorsill;
      she presides over my
      meager eating, generates
      the light for eyestrain.

PART-A

Q.2 Give a vivid description of the society portrayed in "Chronicle of a Death Foretold" by Gabriel García Márquez.  

Q.3 Describe in brief history and current trends of contemporary literature. 

Q.4 Answer the (any two) of the following:
a) Pablo Neruda as a poet.
b) Critical appreciation of the poem “Tonight I can write”
c) Major themes of the novel “Chronicle of a Death Foretold”

**PART-B**

Q.5 Write a brief note on the irony and satire in *Accidental Death of an Anarchist* by Dario Fo.

Q.6 Write a critical appreciation of the poem "A far Cry from Africa” by Derek Walcott.

Q.7 Write a short note on (any two) of the following:
   a) Critical appreciation of “The Landlady” by Margaret Atwood.
   b) Dario Fo as a playwright.
   c) Margaret Atwood as a poet of “Spelling and This is a Photograph of Me”
End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) Economics – Fourth Semester  
RESEARCH METHODS (BAEH-C-402)

Time: 3 hrs.  
Max Marks: 100  
No. of pages: 2 

Note: Attempt FIVE questions in all; PART-A and PART-B are compulsory. Attempt any THREE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
  a) Explain ordinal scale.
  b) Define sampling.
  c) Define an independent variable.
  d) List out the steps in research process.
  e) What are the primary scales of measurement?
  f) Distinguish between qualitative research and quantitative research.
  g) What are the characteristics of a good research?
  h) Write a note on ‘Research Report.’
  i) What is pilot study?
  j) Differentiate between questionnaire and schedule.

PART-B

Q.2 Attempt (any four) of the following:
  a) Distinguish between research methods and research methodology.
  b) “Research is much concerned with proper fact finding, analysis and evaluation.” Do you agree with this statement? Give reasons in support of your answer.
  c) What is research problem? Define the main issues which should receive the attention of a researcher in formulating the research problem. Give suitable examples to elucidate your points.
  d) “Scaling describes the procedures by which numbers are assigned to various degrees of opinion, attitude and other concepts.” Discuss. Also point out the bases for scale classification.
  e) What are the types of questions in a questionnaire? Explain with the help of examples.

PART-C

Q.3 a) Discuss measurement in research. What difference does it make whether we measure in terms of nominal, ordinal, interval and ratio scale? Explain with examples.
  b) Indicate the type of measurement scale you would use for each of the following characteristics. Explain your answer with proper justification:
   i) Colour of a dishwasher.
   ii) Age of a TV.
   iii) Occupation.
   iv) Readership of newspaper.
   v) Intention to purchase a TV.

Q.4 a) A researcher is interested in finding out why students at a large strength from
college have decided to study Economics. He is going to use a self-report questionnaire.

i) Construct a research questionnaire comprising of eight questions for this study.

ii) Explain one strength in using closed questions in this study.

iii) Explain one weakness in using closed questions in this study.  

b) What should be the ideal structure of a questionnaire? What are the basic types of questions that can be included in a questionnaire?

Q.5  
a) You are a research executive with a university offering a number of postgraduate courses like M.Com, MCA and MA. Though any kind of educational qualification enhances one's personality, still you believe that the two year MA programme offered by the university has a slow and steady impact on the personality-development of the students.

i) What is recommended research design? Justify your selection.

ii) What would be the variables, hypothesis and population under study?

b) Explain different types of research designs? What are the distinguishing features of research designs?

Q.6  
a) Explain in detail the steps for writing a research report. Illustrate various advantages of writing a research report in detail.

b) “Interpretation is an art of drawing inferences depending upon the skill of the researcher.” Elucidate the given statement explaining the techniques of interpretation.

Q.7  
a) What do you mean by a research? Describe the different steps involved in a research process.

b) “Empirical research in India in particular creates so many problems for the researchers.” State the problems that are usually faced by such researchers.
End Semester Examination, May 2019
M.A. / M. Sc. (Applied Psychology) – Second Semester
APPROACHES TO COUNSELING (MPSY-C-206)

Time: 3 hrs.                        Max Marks: 50
No. of pages: 1

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory.** Attempt any **FOUR** questions from **PART-A** and **TWO** questions from **PART-B.** Marks are indicated against each question.

Q.1 Answer the questions in not more than **two lines:**
   a) Define the term psychodrama.
   b) Define the term catharsis.
   c) Write three positive self-affirmations.
   d) Where is sahasrar, manipura and svadisthana chakra located in human body?
   e) Define the term detriangulation.  

**PART-A**

Q.2 Differentiate between directive and non-directive Counselling.  

Q.3 Briefly explain Cognitive therapy.  

Q.4 What is Crisis Intervention counselling?  

Q.5 What are Techniques of play activities?  

Q.6 Interpret and briefly explain this Mandala:  

**PART-B**

Q.7 How will you alter a client’s reality of success or transcend limitation.  

Q.8 Explain group counseling and its techniques with examples.
Q.9 What is emotional regulation? What is the role of yoga therapy in developing emotional regulation? 10

Q.10 It is often stated that drama therapy uses an ‘indirect approach’ to explore difficult or painful life experiences. What does this mean; support your answer with help of an example? 10

End Semester Examination, May 2019
M.A. / M. Sc. (Applied Psychology) – Second Semester
APPROACHES TO COUNSELING (MPSY-C-206)

Time: 3 hrs. Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines:
   a) Define the term psychodrama.
   b) Define the term catharsis.
   c) Write three positive self-affirmations.
   d) Where is sahasrar, manipura and svadisthana chakra located in human body?
   e) Define the term detriangulation. 2×5

     PART-A

Q.2 Differentiate between directive and non-directive Counselling. 5
Q.3 Briefly explain Cognitive therapy. 5
Q.4 What is Crisis Intervention counselling? 5
Q.5 What are Techniques of play activities? 5
Q.6 Interpret and briefly explain this Mandala:

     PART-B

Q.7 How will you alter a client’s reality of success or transcend limitation. 10
Q.8 Explain group counseling and its techniques with examples. 10
Q. 9 What is emotional regulation? What is the role of yoga therapy in developing emotional regulation?  

Q. 10 It is often stated that drama therapy uses an ‘indirect approach’ to explore difficult or painful life experiences. What does this mean; support your answer with help of an example?  

End Semester Examination, May 2019  
B.A. (Applied Psychology) — Second Semester  
UNDERSTANDING HUMAN BEHAVIOUR (BPSY-C-203)  

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1  
Note: Attempt SEVEN questions in all; PART-A and PART-B are compulsory. Attempt any TWO questions from PART-C. Marks are indicated against each question.  

PART-A  
Q. 1 Define the following terms:  
a) Homeostasis.  
b) Yerkes-Dodson Law.  
c) Subjective wellbeing.  
d) Pleasure principle.  
e) Functional fixedness.  

PART-B  
Q. 2 Answer (any four) of the following questions:  
a) Define “motivation”. Explain any two theories of motivation.  
b) What do you mean by emotions? Critically evaluate the theories of emotions.  
c) Define “personality”. Critically evaluate any one theory of personality.  
d) What is problem solving? Elaborate on the various hindrances to problem solving.  
e) With relevant example, provide evidence that language can be acquired by animals.  

PART-C  
Q. 7 Suppose you have to go to a college. Give a presentation of effective management of stress and how will you address the population over there? Give a detailed presentation about stress and its management.  

Q. 8 Suppose you have to address a team of individuals working in corporate setting and explain to them about decision making processes. Prepare a presentation on the same. Provide a detailed account of your presentation on decision making and its related concepts.  

Q. 9 Suppose you have to motivate a group of students to volunteer for organizing a blood donation camp. How will you motivate them? With relevant research evidence, prepare a detailed presentation.
End Semester Examination, May 2019
B.A. (Applied Psychology) — Second Semester
SOCIAL PSYCHOLOGY AND ITS APPLICATION (BPSY-C-204)

Time: 3 hrs.                                      Max Marks: 50

Note: Attempt **FOUR** questions in all; **PART-A and PART-B are compulsory**. Attempt any **TWO** questions from **PART-C**. Marks are indicated against each question.

**PART-A**

Q.1  Answer the following questions:
   a) What are heuristics? Name the different types of heuristics.
   b) Using examples explain what social psychology means. What is its relevance?
   c) What is nonverbal communication?
   d) What is self-serving bias?
   e) What is conformity? Use examples to explain your case. 2×5

**PART-B**

Q.2  Answer **(any four)** of the following questions:
   a) How does pro social behaviour increase or decrease?
   b) Comment on how conformity affects individual behavior?
   c) Discuss the external factors of interpersonal attraction.
   d) Why do people help others? Substantiate your answers with examples.
   e) Discuss the impact of stereotypes and discrimination in individuals and society. 5×4

**PART-C**

Q.7  Elucidate on how groups dynamic change and transform under various conditions. How does decision making work in groups? 10

Q.8  How do we manage to convince other to do what we want? With the help of examples explain the different compliance techniques in detail. 10

Q.9  Elucidate on the simple rules used by individuals for social cognition. Use appropriate examples and studies to explain the different types. 10

Q.10 We see a car crash, stop to see what is happening but do not end up helping. Using a case study critically explain the bystander’s effect in helping. 10
End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) Economics – Fourth Semester  
GOVERNMENT AND POLITICS IN INDIA (BAEH-G-405)  

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1  

Note: Attempt FIVE questions in all; PART-A is compulsory. Attempt any FOUR questions from PART-B. Marks are indicated against each question.

**PART-A**

Q.1 Briefly answer the following questions:
   a) State briefly the significance of preamble.
   b) What are the four characteristics of human rights?
   c) Explain the role of speaker of the Lok Sabha.
   d) State the method of the appointment of governor.
   e) Explain August Declaration 1917.  
   
Q.2 a) Critically discuss the Right to Religion by bringing out practical examples where you think that the secularism in India is endangered.  
   b) Discuss the importance of the directive principles while discussing the various directive principles of state policy.  

Q.3 a) In the light of powers and functions of the president of India, do you think that in reality he is just a "titular" head of the state and the actual power lies elsewhere? Argue.
   b) Examine the 'original', 'appellate' and 'advisory' jurisdictions of the supreme court of India.  

Q.4 Discuss the composition of the Indian parliament and examine the relation between the two houses? Do you think the Lok Sabha to be more powerful than the Rajya Sabha? Argue.  

Q.5 a) Discuss the composition and function of State Human Rights Commission.
   b) In the light of position of ex-officio chairman of Rajya Sabha explain the role of Vice-President of India.  

Q.6 a) State briefly the legislative procedure for passage of ordinary bill.
   b) Discuss the structure of Panchayati Raj system in India.  

Q.7 a) Write short notes on:
    i) Question hour.
    ii) Zero hour.  
   b) Write short note on Ashok Mehta committee and GVK Rao committee.
PART-A

Q.1 Briefly answer the following questions:
   a) Differentiate between FERA and FEMA.
   b) Enumerate major challenges of unorganized sector in India.
   c) What are the two causes of unemployment in India?
   d) State two shortcoming of Lorenz curve as representation of degree of inequality.
   e) What is the rationale of MRTP Act, 1969?
   f) How agriculture sector contributes to the National Income of India.
   g) Differentiate between depreciation and devaluation of the currency.
   h) Give rationale of land reforms of India.
   i) Explain the meaning of HYV seeds?
   j) Mention two causes of industrial sickness in India.

   2×10

PART-B

Q.2 Answer the following short questions (any four):
   a) What are the characteristics of underdeveloped countries? Discuss with reference to India in the present scenario.
   b) How is multidimensional poverty index calculated? Discuss it in Indian context enumerate its shortcomings.
   c) What is balance of payment? Discuss its components with the help of hypothetical BOP account.
   d) Explain the role and importance of small-scale enterprises in Indian economy.
   e) Explain the role of MNREGA in the development of the rural people.

   5×4

PART-C

Q.3 a) Explain the contribution of agriculture sector to the GDP and employment generation in India.
   b) Explain the linkages of agriculture growth with industrial sector.

   10

Q.4 a) Explain the role and importance of small-scale enterprises in Indian economy.
   b) Point out the symptoms of industrial sickness.

   10

Q.5 Analyse India’s performance in meeting the millennium development goals:
   a) Eradicate extreme poverty and hunger.
   b) Achieve universal primary education.
   c) Reduce child poverty.

   20
Q.6 a) Critically analyze the global crisis of 2007-08 and its impacts on the Indian economy. 10
   b) Why was there a need to replace Planning Commission from NITI Aayog. Also examine the working of NITI Aayog so far. 10

Q.7 a) What are the various dimensions of poverty? Has the economic reforms reduced the incidence of poverty in India. 10
   b) Explain the paradox of high economic growth and low human development in India in recent times. 10

End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) (Applied Psychology) – Sixth Semester
INTRODUCTION TO PSYCHOTHERAPY (BPSY-D-604)

Time: 3 Hours
Max Marks: 50
No. of pages: 1

Note: Attempt SIX questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and ONE question from PART-B. Marks are indicated against each question.

Q.1 Write short answers on the following questions:
   a) Define Psychotherapy.
   b) What is positive ethics?
   c) What is defensive practice?
   d) What is transference?
   e) Why is documentation important? 2x5

PART-A

Briefly elaborate of the following:
Q.2 The importance of the Therapist – Client relationship. 5
Q.3 Explain the cognitive triad pattern that triggers depression. 5
Q.4 Discuss the five channels of resistance to contract in gestalt therapy. 5
Q.5 Discuss the limitations of existential therapy. 5
Q.6 Explain the three attributes a therapist is required to have as per Carl Rogers. 5

PART-B

Application based long answer type questions:
Q.7 Discuss the personal characteristics of effective therapists. 20
Q.8 Discuss different therapeutic techniques in Freud’s psychoanalytic therapy. 20
End Semester Examination, May 2019
B.A. (Applied Psychology) — Second Semester
FORENSIC PSYCHOLOGY (BPSY-O-207)

Time: 3 hrs. Max Marks: 50
No. of pages: 1

Note: Attempt FOUR questions in all; PART-A and PART-B are compulsory. Attempt any TWO questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
a) What is a modus operandi?
b) What is profiling?
c) What is stalking?
d) What is an inmate’s right to treatment in prison?
e) What is sexual violence?

2×5

PART-B

Q.2 Answer (any four) of the following questions:
a) What is geographical profiling? Explain using relevant research and examples.
b) What is a psychological autopsy and when is it used?
c) Critically explain the battered woman syndrome.
d) What is sexual assault and rape? What does the Indian penal court say about it?
e) What is profiling? Discuss the challenges and shortcomings of this technique.

5×4

PART-C

Q.7 What is police psychology? Police personnel go through immense pressure and stress which can be detrimental for them. Discuss what these stressors are and how they can be remediated.

10

Q.8 Increasing cases of domestic abuse are alarming and can leave its victims feeling quite helpless. Elucidate on how this toxic relationship develops in between these intimate partners?

10

Q.9 Prison poses many challenges to individuals, and one of them is rehabilitation. Using appropriate studies and examples, discuss the various rehabilitation and treatment techniques used in a prison setting.

10

Q.10 Adolescence is a time of huge change and with this change comes many risks and often illegal behaviour. With the help of various theories discuss how the development of juvenile delinquency can be explained.

10
End Semester Examination, May 2019
B.A. (Applied Psychology) — Fourth Semester
POSITIVE PSYCHOLOGY (BPSY-C-403)

Time: 3 hrs.  
Max Marks: 50
No. of pages: 1

Note: Attempt FOUR questions in all; PART-A and PART-B are compulsory. Attempt any TWO questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
   a) Define “Savouring”.
   b) What are positive emotions?
   c) What do you understand by life above zero?
   d) What is happiness? Discuss the different types of happiness.
   e) Explain mindfulness using examples.  2×5

PART-B

Q.2 Answer (any four) of the following questions:
   a) Elucidate the role of optimism in well-being of an individual.
   b) Explain the PERMA model using adequate examples.
   c) Using relevant researches explain what subjective well-being means.
   d) Discuss the impact of media and social influence on body image in people
   e) Evaluate and comment on your understanding of positive emotions and well-being.
   f) How does self-actualization play a role in positive psychology?  5×4

PART-C

Q.3 Many times people experience an absence of negative emotions, but also do not experience many positive emotions. Using relevant examples and researches explain what you understand by this state and what should be done to achieve a better state of well-being.  10

Q.4 Critically analyze Martin Seligman’s contribution and ideology in establishing positive psychology. Comment on whether you think it has a place in today’s society.  10

Q.5 Humans are social beings and their lives are interplay with the relationships that they build with others. Elucidate on the effect of family relationships on an individual.  10
Q.1 Answer the following:
   a) Define community dynamics.
   b) Discuss the concept of community relations.
   c) Elaborate the term community mobilization.
   d) Define community resources with suitable field example.
   e) Discuss types of communities.

**PART-A**

Q.2 Discuss the form and features of rural and urban communities.      5
Q.3 Elaborate the different techniques of PLA method with suitable field work example.  5
Q.4 Differentiate between community organization and community development.  5
Q.5 Discuss the objective of community organization process with suitable field work example.  5
Q.6 Elaborate the skills and techniques of community organizer with suitable examples.  5
Q.7 Elaborate models of community organization with suitable field work examples.  5

**PART-B**

Q.8 Define stakeholder analysis. Discuss its significance in relation to community organization process.  10
Q.9 Elaborate the principles of community organization given by Murry. G. Ross.  10
Q.10 Discuss the idea and philosophy of Gandhi. Ambedkar and Vinoba Bhave for community development.  10
End Semester Examination, May 2019  
B. A. / B. Sc. (Hons.) Economics – Second Semester  
QUANTITATIVE REASONING (BAECO-G-206)

Time: 2 hrs.  
Max Marks: 50
No. of pages: 5

Note: The paper consists of FIFTY multiple questions; each question has options with ONE correct answer. Select the correct answer. 
Attempt all questions. All questions are of ONE mark each. There is no negative marking. 
Mention the correct option for each question in the blank answer key given herein below. (Answer sheets with empty answer keys despite the correct options being ticked, will not be evaluated)

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
<th>4.</th>
<th>5.</th>
<th>6.</th>
<th>7.</th>
<th>8.</th>
<th>9.</th>
<th>10.</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.</td>
<td>22.</td>
<td>23.</td>
<td>24.</td>
<td>25.</td>
<td>26.</td>
<td>27.</td>
<td>28.</td>
<td>29.</td>
<td>30.</td>
</tr>
<tr>
<td>31.</td>
<td>32.</td>
<td>33.</td>
<td>34.</td>
<td>35.</td>
<td>36.</td>
<td>37.</td>
<td>38.</td>
<td>39.</td>
<td>40.</td>
</tr>
<tr>
<td>41.</td>
<td>42.</td>
<td>43.</td>
<td>44.</td>
<td>45.</td>
<td>46.</td>
<td>47.</td>
<td>48.</td>
<td>49.</td>
<td>50.</td>
</tr>
</tbody>
</table>
Q.1 The average (arithmetic mean) of x and y is 20. If z = 5, what is the average of x, y and z?
   a) 15  b) 10  c) 12.5  d) 25/3

Q.2 If x = 3 and y = 27, then x:y:: y: ________.
   a) 19  b) 1968  c) 196  d) 19683

Q.3 Complete the analogy: 11:121::13: ________.
   a) 156  b) 169  c) 176  d) 216

Q.4 If x = 144 and y = 18, then what x:y ________.
   a) 96:12  b) 13:169  c) 169:13  d) 256:16

Q.5 If 23 : 506, what 12: ________.
   a) 132  b) 123  c) 321  d) 312

Q.6 Cirrhosis is to the liver what meningitis is to ________.
   a) Kidneys  b) Knees  c) Stomach  d) Brain

Q.7 Find the missing term: CDEF: MNOP: UVWX?
   a) A.DEFG  b) C.GHJJ  c) EFGH  d) ABCD

Q.8 Find the missing term: LMN: QPO:: OPQ: ________?
   a) MNL  b) ONM  c) NML  d) LMO

Q.9 If South-East become North, North-East become West and so on, What will west become?
   a) North-East  b) South-East  c) North –West  d) South-West

Q.10 Pointing to a photograph of a boy Suresh said. “He is the son of the only son of my Mother.” How is Suresh related to that boy?
   a) Brother  b) Causin  c) Uncle  d) Father

Q.11 If A + B means A is the brother of B; A – B means A is the sister of B and A x B means A is the father of B. Which of the following means that C is the son of M?
   a) M – N × C + F  b) N + M – F × C  c) F – C + N × M  d) M × N – C + F

Q.12 In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code? (Central Excise, 1995).
   a) CHRONRD  b) DSOESPI  c) ESJTPTE  d) ESOPSID  e) None of these.

Q.13 If in a certain language, NATURE is coded as MOSQUE, how is FAMNE coded in that code?
Q.14 If bird is called pen, pen is called air, air is called well, well is called car, car is called sky, from where one can draw water.
   a) Well  b) Sky  c) Car  d) Pen

Q.15 A fruit seller had some oranges. He sells 30% oranges and still has 140 mangoes. Originally, he had:
   a) 288 oranges  b) 300 oranges  c) 672 oranges  d) 200 oranges

Q.16 The ratio of the number of boys and girls in a college is 7:8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?
   a) 8:9  b) 17:18  c) 21:22  d) Cannot be determined

Q.17 Riyaz and Saqlain are two workers and they work for GPR pumps and pipes. Riyaz is twice as good a workman as Saqlain and together Riyaz and Saqlain finish a piece of work in 20 days. In how many days will Riyaz alone finish the work?
   a) 90  b) 66  c) 30  d) 29

Q.18 A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is:
   a) 1/4  b) 1/10  c) 7/15  d) 8/15

Q.19 In a school, there were five teachers.
   a and b were teaching Hindi and English
   c & d were teaching English and Geography
   d & a were teaching Mathematics and Hindi
   e & b were teaching History and French.
   Who among the teachers was teaching maximum number of subjects?
   a) a  b) b  c) c  d) d  e) e

Q.20 Ascertain: All the crow species are entirely block in colour.
   Reason: The colour of the crows is a biological adaptation.
   a) Both A and R are true and R is the correct explanation of A.
   b) Both A & R are true but R is NOT the correct explanation of A.
   c) A is true but R is false.
   d) A is false but R is true.
   e) Both A and R are false.

Q.21 ‘A’, ‘P’, ‘R’, ‘X’, ‘S’ and ‘Z’ are sitting in a row. ‘S’ and ‘Z’ are in the centre. ‘A’ and ‘P’ are at the ends. ‘R’ is sitting to the left of ‘A’. Who is to the right of ‘P’?
   a) ‘A’  b) ‘X’  c) ‘S’  d) ‘Z’
Q.22 Six friends are sitting in a circle and are facing the centre of the circle, Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit. Prakash and Mukesh are opposite to each other.

Who is sitting right to Prakash?

a) Mukesh  b) Deepa

c) Pankaj  d) Lalit

**Directions (Q. 24 – Q. 28):**

A) If data in the statement I alone is sufficient to answer this question.

B) If data in the statement II alone is sufficient to answer this question.

C) If data either in the statement I alone or statement II alone are sufficient to answer this question.

D) If data given in both I & II together are not sufficient to answer this question.

E) If data in both statements I & II together are necessary to answer this question.

Q.23 Which of the five trains (A), (B), (C), (D) and (E) is the best?

a) (D) train is better than (E) train, (A) train and (C) train but not as good as (B) train.

b) (D) train is better than (C) train but not as good as (B) which is better than (E) train.

Q.24 On which date in April is definitely Arun’s father’s birthday?

a) Arun correctly remembers that his father’s birthday is before 22nd March but after 14th April,

b) Arun’s brother correctly remembers that their father’s birthday is after 19th April but before 28th April.

Q.25 How GOOD written in a code language?

a) ‘good for all’ is coded as ‘9 2 1’

b) ‘good you go’ is coded as ‘7 3 2’

Q.26 How is ‘A’ related to ‘B’?

a) ‘A’ is only sister is married to ‘C’

b) ‘B’ is mother of the only daughter of ‘C’

Q.27 What is the total number of students in IT in College Z?

a) The number of students has grown by 5% this year as compared to 4% last year from the no 1000 which it was year before last?

b) The respective ration of boys and girls is 7:5.

Q.28 If a:b = 7:5, b:c = 9:11, find a:b:c?

a) 63:14:55  b) 63:45:55

c) 14:14:15  d) 7:14:15

Q.29 A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is:

a) 1/4  b) 1/10

c) 7/15  b) 8/15

Q.30 23:232:: 235: __________?

a) 232  b) 352

c) 253  d) 252

Q.31 In each world of the following questions consists of pair or words baring a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

Silence: Noise

a) Quite  b) Baldness: Hair
Q.32 Each of the following questions has a group. Find out which one of the given alternatives will be another member of the group or of that class.

Lucknow, Patna, Bhopal, Jaipur
a) Shimla  b) Mysore  
c) Pune  d) Indore

Q.33 Ophthalmia’ is related to ‘Eye’ in the same way as ‘Rickets’ is related to:

a) Kidney  b) Nose  c) Bone  d) Heart

Q.34 Looking at a portrait of a man, Harsh said, “His mother is the wife of my father’s son. Brothers and sisters I have none.” At whose portrait was Harsh looking?

a) His son  b) His cousin  c) His uncle  d) His Nephew  
e) None of these.

Q.35 Daya has a brother Anil, Daya is the son of Chandra. Bimal is Chandra’s father. In terms of relationship, what is Anil of Bimal.

a) Son  b) Grandson  c) Brother  d) Grandfather

Q.36 Give that:

‘A’ is brother of ‘B’, ‘C’ is brother of ‘A’. ‘D’ is brother of ‘E’. ‘E’ is brother of ‘B’. Then uncle of ‘D’ is?


Q.37 If the letters in PRABHA are coded as 27595, and THILAK are coded as 368451, how can BHARATHI be coded?

a) 37536689  b) 57686535  
c) 96575368  d) 96855368

Q.38 If white is called blue, blue is called re, red is called yellow, yellow is called green, green is called black, black is called violet and violet is called orange, what would be the colour of human blood.

a) Red  b) Green  c) Yellow  d) Violet  
e) Orange

Q.39 If orange is called butter, butter is called soap, soap is called ink, ink is called honey and honey is called orange, which of the following is used for washing clothes?

a) Honey  b) Butter  c) Orange  d) Soap  e) Ink

Q.40 In a certain code language, ‘col tip mot’ means ‘singing is appreciable’; ‘mot baj min’ means ‘dancing is good’ and ‘tip nopbaj’ means ‘singing and dancing’, which of the following means ‘good’ in that code language?

a) not  b) min  c) baj  d) can’t he determined  e) None of these
Q.41 In which certain code, 467 means ‘leaves are green’; ‘485’ means ‘green is good’ and ‘639’ means ‘they are playing’, which digit stands for leaves in that code?
   a) 4  b) 6  c) 7  d) 3  e) None of these

Q.42 Five children were administered psychological tests to know their intellectual levels. In the report psychologists pointed out that the child ‘A’ is less intelligent than the child ‘B’. The child ‘C’ is less intelligent than the child ‘D’. The child ‘B’ is less intelligent than the child ‘C’ and child ‘A’ is more intelligent than the child ‘E’, which child is the most intelligent?

Q.43 Five boys took part in a race; Raj finished before Mohit but behind Gaurav. Ashish finished before Sanchi but behind Mohit.
   Who won the race?
   a) Raj  b) Gaurav  c) Mohit  d) Ashish

Q.44 Prince Arora has three children – Sangeeta, Vimal and Ashish. Ashish married to Monika, the eldest daughter of Mr. and Mrs. Roy. The Roys married their youngest daughter to the eldest son of Mr. & Mr. Sharma and they had two children named Amit and Shashi. The Roys have two more children, Roshana and Vandana, both elder to Veena. Sameer and Ajay are sons of Ashish and Monika. Rashmi is the daughter of Amit.
   What is the surname of Rashmi?
   a) Sharma  b) Roy  c) Arora  d) Can not be determined  e) None of these

Q.45 The tax on an article is increased by 20%. As a result of which the consumption decreases by 25%. What is the % change in the tax revenue received by the government from this article?
   a) 10% decrease  b) 15% increase  c) 10% increase  d) None of these

Q.46 Ali the barber shaved 40% of his customers and gave a haircut to 80% of his customers. He changed ₹7 for a shave and ₹5 for a haircut. If 20% of customers who opted for a shave also had a hair-cut, what were Khan’s earnings if he had 75% customers (in ₹)?
   a) 410  b) 1,020  c) 510  d) None of these

Q.47 Madhu and Shobha are good in Dramatics and Computer Science. Anjali and Madhu are good in Computer Science and Physics. Anjali, Poonam and Nisha are good in physics and Mathematics. Poonam and Shobha are good in History and Dramatics. Who is good in Computer Science, History and Dramatics?
   a) Anjali  b) Madhu  c) Shobha  d) Nisha
Q.48  Compare the knowledge of persons; X, Y, Z, A, B and C in relation to each other:
1) X knows more than A.
2) Y knows as much as B
3) Z knows less than C
4) A knows more than Y
The best knowledgeable person amongst all is:
a) X  b) Y  c) A  d) C

Q.49  Among five boys, Vineet is taller than Manick, but not as tall as Ravi. Jacob is taller than Dilip but shorter than Manick. Who is the tallest in their group?
a) Ravi  b) Manick  c) Vineet  d) Cannot be determined  e) None of these

Q.50  What number will follow the given series of numbers: 3, 6, 11, ___ ___?
a) 13  b) 16  c) 18  d) 22
End Semester Examination, May 2019
B.A. (Hons.) English — Sixth Semester
MODERN EUROPEAN NOVEL (BEH-605)

Time: 3 hrs.                                           Max Marks: 100

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Write short notes on (any four) of the followings:
   a) Objectivism.
   b) Imagism.
   c) Dadaism.
   d) Nihilism.
   e) Surrealism.
   f) Interior monologue.  5×4

PART-A

Q.2 Discuss the origins and development of modernism. How is it represented in 20th century European literature and culture?  20

Q.3 Discuss in detail the salient features of Bazarov as presented in the novel “Fathers and Sons”. Is he a compelling character or a weak one?  20

Q.4 How has the novelist presented the confrontation between Nihilism and Liberalism? Do you take Turgenev as an objective artist or as one who takes sides? Explain in detail.  20

PART-B

Q.5 In “Heart of Darkness”, the author uses imagery of light and darkness symbolizing good and bad respectively. How do these symbols used to convey the story of “Marlow”?  20

Q.6 Mrs. Dalloway is a “Fascinating study of a cultured woman, absorbed in her own personal emotions”. Discuss in detail.  20

Q.7 Bring out Virginia Woolf’s technique of presenting the inner life of her characters in “Mrs. Dalloway”.  20
End Semester Examination, May 2019
M.A. (Applied Psychology) — Third Semester
CLINICAL PSYCHOLOGY-II (MPSY-D-207)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt FOUR questions in all; PART-A and PART-B are compulsory. Attempt any TWO questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answers of the following questions:
   a) Mention the types of eating disorders.
   b) Mention types of delusions.
   c) Mention the cluster of disorders in which the individuals have the tendency to be dramatic, emotional and erratic.
   d) What is the difference between substance abuse and substance dependence?
   e) Define “Auto-Erotic Asphyxia”.  2×5

PART-B

Q.2 Answer the following questions:
   a) Give the DSM-V criteria for diagnosing schizophrenia along with a case study.
   b) Define “Personality Disorders”. Present Cluster C along with case studies.
   c) Explain the impact of sexual dysfunctions on the overall quality of interpersonal life.
   d) Discuss various types of hallucinatory behaviors with suitable examples.
   e) Discuss “Drug abuse and Dependence”.  5×4

PART-C

Q.3 The report is a case of a 25-year-old female, married for 5 years, educated up to 10th standard, a homemaker, living with husband’s family in Urban Bangalore; presented with complaints of gradual loss of weight, recurrent anxiety from gaining weight, cuts back from food and amenorrhea since 6 months, with a probable precipitating factor being husband’s critical comment on her weight. Her body mass index (BMI) being 15.6. What diagnosis will you formulate for her? Elaborate on the DSM-5 criteria and treatment for the same. 10

Q.4 Discuss in detail the causal factors and treatment of paraphilias.  10

Q.5 Discuss the etiological factors of alcohol abuse and dependency.  10
End Semester Examination, May 2019
Master of Social Work – Second Semester
SOCIAL ACTION AND SOCIAL MOVEMENTS (MSW-204)

Time: 3 Hours  Max Marks: 50
No. of pages: 1

Note: Attempt EIGHT questions in all. Q.1 is Compulsory. Attempt any FIVE questions from PART-A and any TWO questions from PART-B. Marks are indicated against each question.

Q.1 Answer the following questions:
   a) Define the term: social action.
   b) Explain the sources of social change.
   c) Explain the side effects of technology.
   d) What are the characteristics of social change?
   e) Explain the term: ideology.

   PART-A

Q.2 Explain social action in terms of social structures.
   4

Q.3 How does social action help in resolving social conflicts?
   4

Q.4 Mention the various strategies of social change.
   4

Q.5 How does Social Stratification lead to caste base social movement?
   4

Q.6 Explain the relationship between ‘social action’ and ‘social movement’.
   4

Q.7 Explain the Deprivation theory of social movement.
   4

   PART-B

Q.8 Define the process of development of collective behavior.
   10

Q.9 What are the stages of social movements? Explain with examples.
   10

Q.8 Explain the relationship between ‘modernization’ and ‘social movement’.
   10
Q.1 Lisez le passage et répondez aux questions:  
(Read the passage and answer to the questions):

Bonjour !

a) Dites vrai ou faux:
(True or False):
   i) Frédéric habite avec ses grands-parents. ____________.
   ii) Le père de Frédéric est architecte. ____________.
   iii) Frédéric aime sa vie. ____________.
   iv) Le frère de Frédéric est homme d'affaires. ____________.

b) Complétez avec un mot du texte:
(Complete with a word from the text):
   i) Frédéric a ____________ ans.
   ii) Les étudiants disent bonjour aux ____________
   iii) La mère de Frédéric s'appelle ____________
   iv) Le père de Frédéric s'appelle ____________

SECTION-B
Expression Écrite

Q.2 Décrivez votre journée typique en utilisant les verbes donnés:
(Describe your daily routine by utilizing these verbs):
(Se lever, se laver , se brosser , manger , prendre , aller , étudier , jouer , se promener , rentrer, se coucher , dormir)
Vous invitez votre ami pour l’anniversaire de votre frère. Rédigez une invitation (en 30 mots):

(You invite your friend for your brother birthday party. Write an invitation in 30 words):

SECTION-C
Grammaire

Q.3 Complétez avec l’adjectif interrogatif:
(Complete with interrogatives adjectives):
(Quel/Quelle/Quels/Quelles)
a) Vous préférez___________ voiture?
b) ___________ est ton nom?
c) Vous préférez ___________ couleur?
d) ___________ est la profession de ton père?
Q.4  **Completer avec les prépositions données:**
(Complete with the given prepositions):

a) Il va à Delhi __________ une semaine. (pour / depuis)
b) Les fleurs sont __________ la maison. (au fond de / autour de)
c) Le chien est __________ de la table. (au-dessous / entre)  

Q.5  **Mettez à l’impératif:**
(Change the sentences into imperative):

a) Tu te promènes vers le village.

b) Vous avez de la patience.

c) Nous comprenons bien les leçons.  

Q.6  **Mettez au futur proche:**
(Turn the sentences into near future):

a) Ils __________ la télé.

b) Elle __________ la nouvelle.

c) Elle __________ dans 5 minutes.

Q.7  **Completer avec l’adjectif démonstratif:**
(Complete with demonstrative adjectives):

a) __________ image est belle.
b) Dans __________ classe, il y a un tableau.
c) Elle achète __________ fleurs.
d) __________ restaurant est grand.  

Q.8  **Completer avec l’adverbe de quantité:**
(Complete with quantity of adverbs):

(plus de, combien de, moins de, trop de)
a) Pauline n’aime pas les légumes. Il prend __________ legumes que sa sœur.
b) Elle a __________ travail au bureau.
c) Sophie aime les fruits. Elle prend __________ fruits que son frère.
d) __________ crayons achetez-vous?
Q.9  **Conjuguez les verbes:**

(Conjugate the verbs):

a) Elles ____________ (être)

b) Nous ____________ (manger)

c) Il ____________ (travailler)

d) Je ____________ (se brosser)

e) Ils ____________ (jouer)

f) Vous ____________ (chanter)

g) Il ____________ (vendre)

h) Nous ____________ (comprendre)

i) Elle ____________ (remplir)

j) Tu ____________ (choisir)

k) J’ ____________ (avoir)

l) Elles ____________ (aller)

½×12

Q.10  **Mettez au passé récent:**

(Turn the sentences into recent past):

a) Ils **vendent** leur voiture.

b) Nous **achetons** des vêtements.

c) Elle **donne** un concert.

1×3

Q.11  **Trouvez les questions:**

(Make the questions):

a) Il y a **cinq crayons** dans le sac.

b) Nous allons **à Delhi**.

c) Ce sont **des cahiers**.

d) C’est **Rahul Gandhi**.

1×4

**SECTION-D**

**Culture and Civilisation**

Q.12  **Complétez les phrases:**

(Complete the sentences):

a) Le drapeau français est ____________, ____________ et ____________.
b) Le synonyme de la France est ___________________.

c) __________________ est le fête nationale.  

Q.13 Répondez aux questions:

(2)

(Answers to the questions):

a) Nommez deux montagnes français ?

b) Nommez deux fleuves français ?

End Semester Examination, May 2019

M.A. (Applied Psychology) — Second Semester

PARADIGMS OF COUNSELING (MPSY-O-209)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt FOUR questions in all; PART-A and PART-B are compulsory. Attempt any TWO questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answers of the following questions:

a) What is the role of voice tone in a therapeutic relationship?

b) What is paraphrasing?

c) What is a focusing summary?

d) What is self-confrontation?

e) What are relationship enhancers?

PART-B

Q.2 Answer (any four) of the following questions:

a) What is a non-judgment listening cycle? Explain with a case study.

b) What is helping? Discuss in detail in all the ways one can be helped.

c) What happens in a situation where the helper feels counter-transference with its client? How should the helper move forward?

d) Jagan is a new client who did not want to join therapy but was forced to come by his parents. Now, he never talks or shares anything with the therapist. What should Jagan’s therapist do to facilitate some progress?

e) Using appropriate examples discuss the steps to reflecting feelings.

f) Are nonverbal skills essential in a therapeutic relationship? Explain using examples.

PART-C

Q.3 Moomoo had been working very hard in her counseling sessions and has uncovered that her feelings of inadequacy arise from constant rejection in childhood. On top of that a recent fight with her close friend has pushed her in a downward spiral of misery, and she is a tornado of multiple emotions and feeling that she is finding hard to navigate. What should her helper do to assist her tangled feelings and emotions?

Q.4 Is uncovering meaning of the client’s thoughts essential in every issue, or it could be left alone? Share your views using a case study.
Q.5  Sweety suffered a heart-breaking demise of her romantic relationship and joined therapy to mend her confidence. She is insecure and uncertain about this step but still moves forward. Unfortunately for her, she feels that her therapist does not really care about her issues as she often finds him not looking at her or reacting to anything she says. What other issues in the therapist’s body language can make an already sad Sweety sadder? What all things should the therapist be aware about?  

Q.6  Volini also tells her therapist that she wants to become a teacher but also doubts her abilities. When encouraged to pursue her dreams she says that she is too dumb to teach. What should be her Therapist next course of action?  

**End Semester Examination, May 2019**  
B.A. (Hons) ENGLISH – Sixth Semester  
ANGLO AMERICAN NOVEL (BEH-DE-06)  

Time: 2 hrs.  
Max Marks: 50  
No. of pages: 1  

Note:  Attempt **FIVE** questions in all; **Q.1 is compulsory.** Attempt any **TWO** questions from **PART-A** and **TWO** questions from **PART-B.** Marks are indicated against each question.  

Q.1  Answer **(any two)** questions of the following:  
a) Why was Santiago called Salao? How does he finally become free from this tag?  
b) Discuss the setting of the novel *The Power and the Glory.*  
c) Discuss the role of Shug in the life of Celie in *The Color Purple.*  
d) Who is Dimmesdale? How does he die in the end of the novel *The Scarlet Letter?* Describe.  

**PART-A**  

Q.2  What are the major themes of the novella *The Old Man and the Seal?* Analyze in detail.  

Q.3  Discuss the relationship between Manolin and Santiago in *The Old Man and the Sea.* Analyze both characters as portrayed in the Novella.  


**PART-B**  

Q.5  Discuss the power of strong female relationships as portrayed in the novel *The Color Purple* by Alice Walker.  

Q.6  In what way is “*The Scarlet Letter*” by Hawthorne a commentary on the American Society? Analyze.  

Q.7  Analyze the character of Hester Prynne as portrayed by Nathaniel Hawthorne in *The Scarlet Letter.*
Q.1 Write short answers on the following questions:
   a) What do you mean by Selective attention?
   b) George Miller’s Magic Number 7.
   c) What do you mean by Category?
   d) Write a short note on Wilhelm Wundt’s method of Introspection.
   e) Define Psycholinguistics.

   \[2 \times 5\]  

**PART-A**

Q.2 What do you mean by language? Briefly explain the factors affecting comprehension. \[5\]

Q.3 Explain briefly the various cognitive neuroscience techniques. \[5\]

Q.4 Briefly elaborate on the top down approaches to perception. \[5\]

Q.5 What do you mean by a Concept? Briefly elaborate on the similarly based theories of concept formation. \[5\]

Q.6 Explain briefly the working memory approach to understanding memory. \[5\]

**PART-B**

Q.7 Delineate the working memory approach to memory. Using relevant research evidence, elucidate on any one of the components of working memory approach. \[10\]

Q.8 Using examples from literature, elaborate on the relationship between the effect of training and attention. \[10\]

Q.9 Elaborate on the various theories of concept formation. \[10\]

Q.10 What are the factors influencing problem solving? Elaborate. \[10\]
End Semester Examination, May 2019
BA / B. Sc. (Hons.) Applied Psychology – First Semester
BRAIN AND BEHAVIOUR (BPSY-C-104)

Time: 3 hrs.  
Max Marks: **50**
No. of pages: 1

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory**. Attempt any **FOUR** questions from **Part-A** and **TWO** questions from **Part-B**. Marks are indicated against each question.

**Q.1**
Answer the following questions:

a) Draw and label a neuron.
b) Define Hypnosis.
c) Name the parts of outer ear and middle ear.
d) Define Motion Sickness.
e) Name the subparts of Mid-brain.

2x5

**PART-A**

Q.2 Explain how do we hear sound? 5
Q.3 What is Gate-Control theory? 5
Q.4 What is anterograde amnesia? 5
Q.5 Explain endocrine glands. 5
Q.6 Explain biological basis of thirst. 5

**PART-B**

Q.7 Explain Neural impulse with the help of a diagram. 10
Q.8 Explain the peripheral Nervous system in detail. 10
Q.9 What are sleep disorders, explain in detail? 10
Q.10 Explain neuroimagery techniques. 10

73/5
End Semester Examination, May 2019
M.A. / M. Sc. (Applied Psychology) — Third Semester
PSYCHO DIAGNOSTICS (MAAP-341-2)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1  Short answer type questions:
  a) Define clinical assessment.
  b) Mention any two types of testing.
  c) Mention any two tests that measure memory.
  d) Define creativity.
  e) What is DAPT?  

PART-A

Q.2  What is neurological evaluation?  

Q.3  Elaborate on Torrence test of creativity.  

Q.4  Elaborate on Memory assessment scale.  

Q.5  Elaborate on any two projective drawing techniques.  

Q.6  Discuss any five neurological tests.  

PART-B

Q.7  Describe any two projective techniques in detail.  

Q.8  Discuss intelligence assessment. Describe any two intelligence tests.  

Q.9  What are the ethical issues involved in clinical assessment?
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Applied Psychology – Third Semester

PSYCHOLOGICAL TESTING AND PSYCHOMETRIC ASSESSMENT
(BPSY-C-302)

Time: 3 hrs. \hspace{1cm} \text{Max Marks: 50}
No. of pages: 1

Note: Attempt \textbf{SEVEN} questions in all; \textbf{Q.1 is compulsory}. Attempt any \textbf{FOUR} questions from \textbf{Part-A} and \textbf{TWO} questions from \textbf{Part-B}. Marks are indicated against each question.

Q.1 Answer the following:
\begin{enumerate}[a)]
\item Psychological testing was started in \underline{_________.}
\item Define measurement.
\item Define norms.
\item Name three types of norms.
\item Full name of WAIS.
\end{enumerate}

\textbf{PART-A}

Q.2 What is speed test and power test, how they are different from each other?

Q.3 What are the different measurements of scales?

Q.4 Calculate the pure score of guessing from the following:
\begin{enumerate}[a)]
\item Right response – 70
\item Wrong response – 30
\item Total number of response – 100
\end{enumerate}

Q.5 State the formula of Harper’s Facility index.

Q.6 Calculate the correction of attenuation from the following test data:

<table>
<thead>
<tr>
<th>Index</th>
<th>Test Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>.60</td>
<td>Validity</td>
</tr>
<tr>
<td>.70</td>
<td>Reliability of predictor</td>
</tr>
<tr>
<td>.50</td>
<td>Reliability of criterion</td>
</tr>
</tbody>
</table>

Q.7 Describe the types of reliability.
**PART-B**

Q.8 What is Psychological Testing and what are the different usages of psychological testing?  

Q.9 Calculate the reliability coefficient from the following data:

<table>
<thead>
<tr>
<th>Test1</th>
<th>36</th>
<th>72</th>
<th>37</th>
<th>36</th>
<th>51</th>
<th>50</th>
<th>47</th>
<th>50</th>
<th>37</th>
<th>41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test2</td>
<td>35</td>
<td>67</td>
<td>33</td>
<td>35</td>
<td>50</td>
<td>46</td>
<td>47</td>
<td>42</td>
<td>36</td>
<td>41</td>
</tr>
</tbody>
</table>

Q.10 Describe the different types of personality test with examples.

**End Semester Examination, May 2019**  
B.A. / B. Sc. (Hons.) Economics – Fifth Semester  
MONEY AND BANKING (BAEH-C-501)

Time: 3 hrs.  
Max Marks: 100  
No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

**PART-A**

Q.1 Answer the following questions:  
a) Explain how money supply in an economy is influenced by cash reserve?  
b) Write any two functions of money.  
c) What are the main difficulties of barter system?  
d) What is money multiplier?  
e) What will happen to interest rate is 20% or when it is 10%?  
f) What will happen to an interest rates if prices in the bond market become more volatile?  
g) What is capital market?  
h) What are the functions of a commercial bank? Mention any three.  
i) What is monetary policy?  
j) Can you name some items that is a store of value but does not serve the other functions of money? 2×10

**PART-B**

Q.2 Attempt (any four) of the following:  
a) If the use of money were to be stopped today then what problems would you face? Write this in five sentences.  
b) Suppose that Springfield national bank has reserves totaling $1000,000 on $1000,000 of deposits. The reserve requirement is 10%. Can this bank make any loans? Explain.  
c) If the interest rate is 10% what is the present value of a security that pays you Rs 1100 next year, Rs 1210 the year after and Rs 1331 the year after?  
d) Differentiate between money and capital market.  
e) Discuss various objectives of monetary policy. 5x4

**PART-C**
Q.3  a) Discuss the role of money market in India. How does it differ from capital market? 

b) Describe various components of Indian money market.

Q.4  a) There are three goods produced in an economy by three individuals

<table>
<thead>
<tr>
<th>Good</th>
<th>Producer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banana</td>
<td>Banana Grower</td>
</tr>
<tr>
<td>Guava</td>
<td>Guava Grower</td>
</tr>
<tr>
<td>Chocolate</td>
<td>Chocolatier</td>
</tr>
</tbody>
</table>

If the Banana Grower likes only Guavas, the Guava grower likes only chocolate, and the chocolatier likes only banana, will any trade among these person take place in barter economy? How will introducing money into the economy benefit these three producers?

b) What is e-money? Discuss various types of e-money. What makes e-money business attractive?

Q.5  a) Explain the “Term Structure of Interest Rates” and the empirical facts about the patterns of yield curves.

b) The $1,000 face value ABC bond has a coupon rate of 6%, with interest paid semi-annually and matures in 5 years. If the bond is priced to yield 8%, what is the bond’s value today?

c) The $1,000 face value EFG bond has a coupon of 10% (Paid semi-annually) matures in 4 years, and has current price of $1,140, what is the EFG bond’s yield to maturity?

Q.6  a) What are main tools that are used in monetary policy?

b) How are monetary tools used to combat unemployment and inflation?

c) What are the functions of the RBI?

Q.7  a) What is a financial system? Describe the Indian financial system as it exists today.

b) How are intermediaries different from non-intermediaries?

c) What are the different kinds of Treasury Bills in India?
Q.1 Write short answers for each of the following:
   a) What do you mean by availability heuristic?
   b) Explain Trichromatic Theory of colour vision.
   c) Define ‘learning’.
   d) What do you mean by Procedural Memory?
   e) Define ‘memory’.

   PART-A

Q.2 Explain the process of Classical Conditioning. Elaborate the basic principles of classical conditioning in detail.  

Q.3 What are the various sub-fields of psychology? Explain each one in detail.  

Q.4 How is the process of hearing accomplished in humans? Explain relevant diagrams and theories in detail.  

Q.5 Explain Atkinson-Shiffrin’s model of memory. Compare and contrast it with Craik and Lockhart’s levels of processing model.  

Q.6 How will you define intelligence? Explain the various theories of intelligence.  

PART-B

Q.7 Explain the basic nature of ‘experimental’ method. Using examples, justify in which situations the experimental method is the best research method.  

Q.8 Elaborate on the process of learning using ‘Operant Conditioning’. Explain how various schedules of reinforcement play a role in ensuring effective learning.  

Q.9 Explain the ways in which forgetting occurs from the long term memory.  

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.
"Heredity and environment both play a role in determining one’s intelligence.” Using relevant research evidence, elucidate.

End Semester Examination, May 2019
M.A. / M. Sc. (Applied Psychology) — First Semester
COGNITION (MPSY-C-103)

Time: 3 hrs. 
Max Marks: 50

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Write short answers on the following questions:
   a) What do you mean by selective attention?
   b) What is George Miller’s Magic Number 7
   c) What do you mean by Category?
   d) Write a short note on Wilhelm Wundt’s method of Introspection
   e) Define Psycholinguistics.

   2×5

PART-A

Q.2 What do you mean by a language? Briefly explain the factors affecting comprehension. 5

Q.3 Explain briefly the various cognitive neuroscience techniques. 5

Q.4 Briefly elaborate on the top down approaches to perception. 5

Q.5 Write a short note on ‘Creativity’. 5

Q.6 Explain briefly the working memory approach to understanding memory. 5

PART-B

Q.7 Delineate the working memory approach to memory. Using relevant research evidence, elucidate on any one of the components of working memory approach. 10

Q.8 Using examples from literature, elaborate on the relationship between the effect of training and attention. 10

Q.9 Elaborate on the various theories of concept formation. 10

Q.10 What are the factors influencing problem solving? Elaborate. 10
Q.1 Answer the following questions in brief.
   a) Distinguish between centralization and decentralization.
   b) List the characteristics of the mechanistic model.
   c) List the four characteristics of a spiritual organization.
   d) What is work life balance?
   e) What are the three key elements in defining motivation?

   \[2 \times 5\]

**PART-A**

Write short notes on (any four) the following:

Q.2 Job involvement. \[5\]
Q.3 MBO. \[5\]
Q.4 Emotional intelligence. \[5\]
Q.5 Trait Theories of leadership. \[5\]
Q.6 Matrix organizational structure. \[5\]

**PART-B**

Application based long answer type questions:

Q.7 You are an Advisor to a startup company in the field of mobile handsets. The field is extremely competitive and requires quick responses to both the competitors as well as the customers. Keeping in mind that “Structure impacts both the attitudes and behaviors of the people within it”, design a good organizational structure for the company and explain its advantages. \[20\]

Q.8 Ram argues, “For every worker, there is one best motivational application to drive performance”. Amrita responds, “Nonsense—there is no single best way to motivate anyone.” Who is correct? Explain in detail with examples. \[20\]
End Semester Examination, May 2019
M.A. / M.Sc. (Applied Psychology) – Third Semester
PSYCHOLOGY OF HEALTH AND WELLBEING (MA-AP-301)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the following questions in brief:
   a) Define the term ‘repression’.
   b) Define the term ‘eudaimonic’.
   c) Who gave the theory of attachment?
   d) Define the term ‘subjective wellbeing’.
   e) Define the term ‘wisdom’.

   2×5

PART-A

Write short notes on the following:

Q.2 Positive ageing. 5
Q.3 Ryan and Deci’s Self Determination Continuum. 5
Q.4 Virtues. 5
Q.5 Reversal theory. 5
Q.6 Synder’s Hope theory. 5

PART-B

Q.7 “Emotional intelligence is an ability or a personality trait”. Support your answer with help of a model. 10
Q.8 Explain why some people report high self-esteem as defense against negative social evaluation. What strategies will you advise them for improving their self-esteem? 10
Q.9 What is that one thing in life that you are doing because you want to do it and not because you need to do it or do not have anything else to do? 10
Q.10 What are the strategies of enhancing happiness? 10
Q.1 Answer the following in brief:
   a) Name three main physical types suggested by Sheldon.
   b) Define Archetypes.
   c) Who is the father of Analytical Psychology?
   d) Name any four defense mechanisms given by Freud.
   e) Name the theorist who was a major adherent to Freudian ideas in child psychology.  \(2 \times 5\)

**PART-A**

Write short notes on *(any four)* the following:

Q.2 16 PF. \(5\)
Q.3 Five Factor Personality by Costa and Mc Crae. \(5\)
Q.4 Object Relation Theory. \(5\)
Q.5 Basic Anxiety. \(5\)
Q.6 Inferiority Complex. \(5\)

**PART-B**

Q.7 Explain Analytical Psychology. What is the purpose of Word Association Test? \(10\)
Q.8 Discuss the contributions and criticisms of 'Individual Psychology'. \(10\)
Q.9 Discuss the research findings on how expressive behavior can reveal aspects of our personality. \(10\)
Q.10 Explain Psychoanalysis. Discuss the contributions of Psychoanalysis in detail. \(10\)
Q.1 Answer the following questions:
   a) In a certain distribution the following results were obtained.
      \[ CV = 40\% \quad \bar{X} = 25, \quad Z = 20 \]
      Find out coefficient of skewness.
   b) What are moments?
   c) Interest 1r in the following cases:
      When \( r = +0.97, \quad r = -0.04, \quad r = +1, \quad r = -1 \)
   d) While fitting straight line trend of the type \( y = a + bx \), what is signified by \( Y, X, a \) and \( b \)?
   e) What are yate’s correction?
   f) What is null hypothesis?
   g) What is time series analysis?
   h) What is “Analysis of variance”?
   i) Distinguish between large sample and sample.
   j) What is an index number?

Q.2 Attempt (any four) of the following:
   a) With which of the component of a time series would you mainly associate each of the following:
      i) Strike in a factory, delaying production for 10 days.
      ii) Diwali sales in a departmental store.
      iii) Fall in death rate due to advances in science and
      iv) An era of prosperity.
   b) Define positive and negative correlation by giving examples.
   c) Explain the concept of skewness. Draw the sketch of a skewed, frequency distribution and show the position of the mean, median and mode when the distribution is asymmetric.
d) Explain briefly the various types of non-parametric tests known to you and the specific situations in which they are applicable.

e) In a class there are 96 students with Roll Nos. from 1 to 96. It is desired to take sample of 10 students. Use the systematic sampling method to determine the sample size.

**PART-C**

Q.3 The scores of students in an examination in Math's and stats are given as:

<table>
<thead>
<tr>
<th>No. of students</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math's</td>
<td>70</td>
<td>48</td>
<td>58</td>
<td>55</td>
<td>54</td>
<td>50</td>
<td>60</td>
<td>5</td>
</tr>
<tr>
<td>Stats</td>
<td>62</td>
<td>47</td>
<td>53</td>
<td>60</td>
<td>55</td>
<td>68</td>
<td>51</td>
<td>48</td>
</tr>
</tbody>
</table>

a) Find Pearson's correlation coefficient.  

b) Rank correlation coefficient.

Q.4 a) Discuss briefly the various components of time series.  
b) From the following data calculate the trend values using the 3-yearly moving averages:

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>20</td>
<td>24</td>
<td>22</td>
<td>32</td>
<td>27</td>
<td>31</td>
</tr>
</tbody>
</table>

Q.5 a) Explain the uses of Index number.

b) Compute the weighted aggregative indices using:
   i) Fisher  
   ii) Laspeyres and  
   iii) Paasche Method

<table>
<thead>
<tr>
<th>Commodities</th>
<th>Base Year</th>
<th>Current year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( P_0 )</td>
<td>( Q_0 )</td>
</tr>
<tr>
<td>A</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>D</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

Q.6 a) What is sampling design? Describe various types of sampling methods illustrating their use in Practical Situations.

b) Distinguish between sampling and non-sampling errors. What are their sources? How these errors can be controlled?

Q.7 a) In a sample of 8 observations, the sum of squared deviations of items from the mean was 84.4. In another sample of 10 observations, the value was found to be 102.6. Test whether the difference is significant at 5% level. (5% point of \( F \) for \( V_1 = 7 \) and \( V_2 = 9 \) is 3.29)

b) From the data given below about the treatment of 250 patients suffering from a disease, state whether the new treatment is superior to the conventional treatment:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Favorable</th>
<th>Non favorable</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td>140</td>
<td>30</td>
<td>170</td>
</tr>
<tr>
<td>Conventional</td>
<td>60</td>
<td>20</td>
<td>80</td>
</tr>
<tr>
<td>Total</td>
<td>200</td>
<td>50</td>
<td>250</td>
</tr>
</tbody>
</table>
End Semester Examination, May 2019  
B.A. / B.Sc. (Hons.) Applied Psychology – Fifth Semester  
COUNSELING (BPSY-C-502)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt **SEVEN** questions in all; **Q.1** is compulsory. Attempt any **FOUR** questions from **Part-A** and **TWO** questions from **Part-B**. Marks are indicated against each question.

**Q.1** Short answer questions:  
a) What is the difference between Guidance and Psychotherapy?  
b) Mention any four limitations of ethical codes for psychologists.  
c) Define Repression and Regression.  
d) Mention any four qualities of a good test.  
e) Mention any four activities of a school counselor.  

**2×5**

**PART-A**

Q.2 Define ethics in counseling profession. What are the main sections of ACA code of ethics?  

5

Q.3 What are the factors that influence counseling process?  

5

Q.4 What are the issues in a group?  

5

Q.5 Explain solution focused counseling with an example.  

5

Q.6 Critically evaluate the behaviorists approach of therapy.  

5

**PART-B**

Q.7 Explain the Psychoanalytic approach to counseling with the help of a case study.  

10

Q.8 Explain the Humanistic approach to counseling with the help of a case study.  

10

Q.9 Explain the process of family counseling through a case study.  

10
Q.1 Answer the following questions:
   a) State the significance of assumption of constant marginal utility of money in cardinal utility theory of demand.
   b) Define discrete goods with suitable set of example.
   c) Explain the quasilinear preference.
   d) Explain the income consumption curve.
   e) What is meant by variable proportions?
   f) What is the role of technical progress on production?
   g) Define the economics of scale.
   h) Explain the concept of expansion path with suitable diagram.
   i) If the consumer’s income increases and one of the price decreases at the same time, with the consumer necessarily be at least as well off?
   j) What are iso-cost lines? Explain with suitable example.  

Q.2 Answer (any four) questions from the following:
  a) Outline the assumption of the revealed preferences theory of demand. Distinguish between the weak azorin of revealed preference (WARP) and strong azorin of revealed preference (SARP).
  b) With the help of diagram, define the ride lives and the economic and non-economic region of production.
  c) Under what conditions would \( Q = AL^d K^e \) lead to (a) increasing (b) constant and (c) decreasing returns to scale.
  d) Given the TR schedule for sales of a firm:

<table>
<thead>
<tr>
<th>Unit Sold</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR</td>
<td>20</td>
<td>38</td>
<td>54</td>
<td>68</td>
<td>80</td>
<td>90</td>
<td>98</td>
<td>104</td>
<td>108</td>
<td>110</td>
<td>110</td>
<td>108</td>
</tr>
</tbody>
</table>

2x10
Work out the AR and NR schedules and graph the same. What can you say about their shapes?
e) Define the demand curve from low of diminishing marginal utility.  

**PART-C**

Q.3  
a) Compare the triksion variation hypothesis with Slutsky’s constant real income hypothesis from the view point of segregating the substitution and the income effects.  
b) Which one, tricks or Slutsky, according to you is more realistic and more logical?  

Q.4  
a) The marginal product of a variable input at different levels of employment is given as below:

<table>
<thead>
<tr>
<th>Unit Sold</th>
<th>0</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR</td>
<td>0</td>
<td>3</td>
<td>9</td>
<td>11</td>
<td>13</td>
<td>15</td>
<td>16</td>
<td>10</td>
<td>2</td>
<td>0</td>
<td>02</td>
<td>04</td>
</tr>
</tbody>
</table>

Determine the total and average product of the input and graph them. Distinctly mark-off. Different stages of production on your graph and outline their distinctive features.  
b) What are isoquants? Explain their essential features with the help of graphs.  

Q.5  
a) Provide an explanation to the law of diminishing marginal rate of substitution using marginal utilities.  
b) Sketch the likely shape of indifference curve in each of the following cases, with appropriate examples.  
i) When both the goods are bad goods?  
ii) When one good is neutral and other is bad?  
iii) When both of them are perfectly complement?  
iv) When both the goods turn bad after a given level of consumption?  

Q.6  
a) Explain how does taxes and subsidies affect the budget line.  
b) Assuming the following total value schedule for some consumer. Fill in the MV column in table below:

<table>
<thead>
<tr>
<th>Q</th>
<th>TV</th>
<th>MV (Marginal Value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>54</td>
<td></td>
</tr>
</tbody>
</table>

i) Derive the consumer’s demand curve/.
ii) Assume the price of this good is Rs.6. To maximize consumer surplus, a consumer would produce how many units? What is the consumer surplus at this quantity/ show it on the graph.

Q.7  a) Explain the concept of the lines – break even analysis. What is the significance in production decision in the short run.  
b) Obtain expressions and graph for the break even outputs with or without profits.

End Semester Examination, May 2019  
BA / B.Sc. (Applied Psychology) ENGLISH – First Semester  
ENVIRONMENTAL STUDIES (CH-202B)

Time: 3 hrs  
Max Marks: 100  
No. of pages: 1  
Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from Part A and TWO questions from Part B. Each question carries equal marks.

Q.1 Write short notes on the following (any four):  
a) Renewable and Non-Renewable sources.  
b) Eco-system.  
c) Use of chemistry for peaceful purposes.  
d) Biome and its role in the ecological biogeochemistry.  
e) Environment and Global Warming.  
f) Modern Industrialization and Human Life.

PART-A  
Q.2 What do you mean by natural resources? Write difference between natural and man-made resources with an appropriate example.

Q.3 Explain eco-system. Discuss its concept, structure, and important functions in detail.

Q.4 What is bio-diversity? How it plays a vital role in making the environment clean?

PART-B  
Q.5 What are the social issues related to the environmental pollution? Explain few environmental policies of the Central and the State Government with suitable examples.

Q.6 Write how the rapid increase in the human population affects environment. Discuss a few practical solutions to save the environment.

Q.7 What is the role of information technology in environment and human health? Explain with a suitable case study.
End Semester Examination, May 2019
B.A. B.Sc. (Hons.) (Applied Psychology)—First Semester
PSYCHOLOGY OF EVERYDAY LIFE-I (BAAP-101)

Time: 3 hrs.  
Max Marks: 50
No. of pages: 1

Note: Attempt FIVE questions in all; PART-B is compulsory. Attempt any FOUR questions from PART-A. Marks are indicated against each question.

PART-A

Q.1 How will you define psychology? Discuss in detail any three perspectives in Psychology. 10
Q.2 Is Perception learnt or innate? Explain, with the help of relevant research studies. 10
Q.3 Elaborate on the process of observational learning using Bandura’s study, with the help of real life examples, explain the steps in process of observational learning. 10
Q.4 What is the definition of memory? Explain the two major views of memory. 10
Q.5 Explain the structure and function of the Ear. 10

PART-B

Q.6 Write short notes on (any two) of the following:
   a) Sensory Memory.
   b) Cognitive perspective of classical conditioning.
   c) Experimental method. 5×2
End Semester Examination, May 2019
B. Sc. /B.A. (Liberal Arts) — First Semester
STATISTICS (BLA-ST-101)

Time: 3 hrs.  
Max Marks: 100
No. of pages: 2

Note: Attempt **FOUR** questions in all; **Q.1 (Part-A) and Q.2 (Part-B) are compulsory.**
Attempt any **TWO** questions from **PART-C** .Marks are indicated against each question.

**PART-A**

Q.1 Answer the following:
  a) What is mode?
  b) How many quartiles are available in a data set?
  c) What is null hypothesis?
  d) Who gave T test?
  e) Rank Order correlation coefficient was provided by __________.  

**PART-B**

Q.2 Answer **(any four)** of the following:
  a) What are the different types of statistics?
  b) Calculate the mean from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-15</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>16-20</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>21-25</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>26-30</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>31-35</td>
<td>2</td>
</tr>
</tbody>
</table>

  c) Calculate the SD from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-15</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>16-20</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>21-25</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>26-30</td>
<td>6</td>
</tr>
</tbody>
</table>
d) Calculate the rank order correlation from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>R₁</th>
<th>R₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

e) Do the following group of people differ significantly or not?:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>Neutral</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Observed</td>
<td>36</td>
<td>22</td>
<td>30</td>
</tr>
<tr>
<td>Frequency Expected</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

f) What is Normal Distribution and what are its characteristics?

**PART-C**

Q.3 Describe the nature and meaning of statistics. Describe the different usages of statistics.

Q.4 Calculate the product moment correlation from the following:

<table>
<thead>
<tr>
<th>x</th>
<th>18</th>
<th>25</th>
<th>20</th>
<th>21</th>
<th>30</th>
<th>42</th>
<th>32</th>
</tr>
</thead>
<tbody>
<tr>
<td>y</td>
<td>8</td>
<td>10</td>
<td>11</td>
<td>3</td>
<td>12</td>
<td>24</td>
<td>19</td>
</tr>
</tbody>
</table>

Q.5 Describe the measures of central tendency from with the help of following data:

<table>
<thead>
<tr>
<th>55</th>
<th>70</th>
<th>57</th>
<th>73</th>
<th>55</th>
<th>59</th>
<th>64</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>48</td>
<td>58</td>
<td>54</td>
<td>69</td>
<td>51</td>
<td>63</td>
<td>78</td>
</tr>
<tr>
<td>75</td>
<td>64</td>
<td>65</td>
<td>57</td>
<td>71</td>
<td>78</td>
<td>76</td>
<td>62</td>
</tr>
<tr>
<td>49</td>
<td>66</td>
<td>62</td>
<td>76</td>
<td>61</td>
<td>63</td>
<td>63</td>
<td>76</td>
</tr>
<tr>
<td>52</td>
<td>76</td>
<td>71</td>
<td>61</td>
<td>53</td>
<td>56</td>
<td>67</td>
<td>71</td>
</tr>
</tbody>
</table>
End Semester Examination, May 2019
MA (Applied Psychology) – First Semester
QUALITATIVE METHODS (MPSY-C-104)

Time: 3 hrs.                              Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Write short answers for each of the following:
a) Define: Focus Group Discussions.
b) What is the scientific process according to Positivists? Write in brief.
c) Define: Triangulation.
d) Define: Critical theory.
e) Write any five qualifications for an effective interviewer. 2×5

PART-A

Q.2 How to carry out the process of thematic analysis? 5
Q.3 Explain the importance of subjectivity in qualitative research. 5
Q.4 Explain the paradigm of logical positivism. 5
Q.5 Write a short note on ‘Observation’. 5
Q.6 What is the importance of grounded theory in qualitative research? Explain, in brief, how grounded theory is carried out. 5

PART-B

Q.7 Explain the process of planning, conducting and analyzing an interview. 10
Q.8 What are some of the important ethical considerations while conducting an interview study? Elaborate. 10

Q.9 Elaborate on the textual method of Content Analysis. 10

Q.10 How should we evaluate qualitative research? Explain the importance of ensuring reliability in qualitative research. 10

End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Economics – Fifth Semester
DEVELOPMENT ECONOMICS (BAEH-C-502)

Time: 3 hrs.  Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsary. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions in not more than 50 words each.
   a) Distinguish between the concepts of economic growth and economic development.
   b) Enumerate any four structural characteristics of developing nations.
   c) Differentiate between primary and secondary poverty.
   d) State two shortcoming of Lorenz curve as representation of degree of inequality.
   e) State the stages of economic growth in Rostow’s model.
   f) List out the major conditions that must be satisfied for take-off of an economy according to W.W. Rostow.
   g) Enumerate any two assumption of Solow model of growth.
   h) Define globalization.
   i) What do you understand by strong sustainability?
   j) Distinguish between Capability poverty and human poverty. 2×10

PART-B

Q.2 Attempt (any four) of the following:
   a) Do you believe that A.K. Sen’s Capability approach adds new dimensions to the existing theories of economic development? Explain.
   b) Critically evaluate Kuznets inverted U Hypothesis of income distribution. Does it hold good for less developed countries as well?
c) Elucidate the concept of ‘balanced growth’. Will its achievement be easier if the supply of capital is larger than if it is smaller?

d) Analyze the Harrod-Domar model of growth with reference to knife edge balance.

e) What are the governing factors of sustainable development?  

**PART-C**

**Q.3**

a) Do you think that there is a strong relationship among health, labor productivity, and income levels? Explain your answer.  
b) State five characteristics of the developing world. Discuss diversity within the developing world on these characteristics in relation to the developed world.

**Q.4**

a) What are the ethical principles underlying the measures of inequality? Show that these principles are exactly summarized in the concept of Lorenz curve.  
b) Distinguish between size and functional distributions of income in a nation. Which do you conclude is the more appropriate concept? Explain your answer.

**Q.5**

a) Explain the Lewis model of structural change from an agricultural economy to a modern industrial economy. State three major criticisms of Lewis model.  
b) Explain the Fei Ranis model of Economic development. How does it improve upon Lewis model of development?

**Q.6**

a) A country is described by the Solow model with a production function of \( y = k^{1/3} \), where \( y \) is the output per capital and \( k \) is the stock of capital per capita. Suppose that \( k \) equals 9000. The fraction of output saved is 30% and rate of depreciation is 5%. Population does not grow. Is the country at its steady state level of output per worker, above it or below it? Explain how you arrived at your answer?  
b) Describe how each of the following developments affect the steady state \( k \) stock in Solow model with the help of appropriate diagram:
   i) An increase in rate of technological progress.  
   ii) Increase in savings rate.

**Q.7**

a) Briefly explain the key determinants of Sustainable development.  
b) “Whereas globalization has indeed created unprecedented gains for some it has meant increased vulnerability and exclusion for many others”. Do you agree with the statement?
End Semester Examination, May 2019
B.A. (Hons.) Economics – First Semester
INTRODUCTORY MACRO ECONOMICS (BECO-C-104)

Time: 3 hrs
Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
a) What is the difference between fiat money and commodity money?
b) Explain any one reason for prevalence of wage price rigidity in the economy.
c) What do you understand by structural inflation?
d) Why hyperinflation is considered harmful for the economy?
e) Enumerate determinants of transactional demand for money.
f) What do you understand by paradox of thrift?
g) Discuss the present value criterion for investment.
h) Contrast between the stock and flow concept.
i) Briefly explain the idea behind relative income hypothesis.
j) Graphically show the determination of exchange rate for the economy. 2x10

PART-B

Q.2 Answer (any four) of the following:
a) “Along the consumption function, income changes more than consumption.” What does this imply for the MPC and MPS? 5
b) If a firm invests out of retained profits rather that borrowed funds, will its investment decisions still be affected by the changes in the interest rate? Explain. 5
c) What motives for holding money transactions, precautionary, or speculative do you think explain the following holdings? Explain.
i) Money to meet University’s monthly payroll deposited in the local bank.
ii) A household tries to keep a buffer of Rs. 1000 in its savings account.
iii) You carry Rs. 20 in your pocket even though you have no planned expenditures.  

5  
d) Define inflation. Briefly explain various sources of inflation.  

5  
e) What is the labor-force status of each of the following?  

5  

i) A retired person who moved to Delhi and answers advertisements for Part-time positions.  

ii) A parent who works part-time, wants a full-time job, but doesn’t have time to look.  

iii) A teacher who has a job but is too ill to work.  

PART-C  

Q.3  

a) Why does the ratio of consumption to accumulated saving declines over time until retirement? Explain the underlying assumption to such behavior? What happens to this ratio after retirement?  

10  
b) How do the life-cycle and permanent-income hypotheses resolve the seemingly contradictory pieces of evidence regarding consumption behavior?  

10  

Q.4  

a) Given the following information, calculate Tobin’s $q$ statistic: Let’s suppose that a company has one lakh outstanding shares of stock, each valued at Rs. 25. Let us suppose also that there placement cost of its physical capital stock is Rs. 18 lakhs.  

i) Should this firm invest (net) in more physical capital?  

ii) Would your answer change if the replacement cost of its physical capital stock at this time was Rs. 25 lakh? Rs. 28 lakh?  

10  
b) The cash flows for an investment project are listed below. The firm will invest if the present value of the cash flows is positive.  

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1400</td>
<td>700</td>
<td>840</td>
</tr>
</tbody>
</table>

Should the firm undertake this project?  

i) If the interest rate is 5%.  

ii) If the interest rate 10%.  

10  

Q.5  

a) Suppose a country has a money demand function:  

$$ \frac{M}{P} = kY $$  

where $k$ is a constant parameter. The money supply grows by 12% per year, and real income grows by 4% per year.  

i) What is the average inflation rate?  

ii) How would inflation be different if real income growth were higher? Explain.  

iii) How do you interpret the parameter $k$? What is its relationship to the velocity of money?  

14  
b) Suppose, instead of a constant money demand function, the velocity of money in this economy was growing steadily because of financial innovation. How would that affect the inflation rate? Explain.  

6  

Q.6  

a) Consider the following impacts of inflation: tax distortions, income and wealth redistribution, shoe-leather costs, and menu costs. For each, define the cost and provide an example.  

10  
b) Explain how the overall supply of money in economy depends on the amount of high powered money.  

10  

Q.7  

a) Suppose that a country experiences a reduction in productivity – is, an adverse shock to the production function.  

i) What happens to the labor demand curve?
ii) How would this change in productivity affect the labor market – that is, employment, unemployment, and real wages – if the labor market is always in equilibrium?

iii) How would this change in productivity affect the labor market if unions prevent real wages from falling?  

b) Explain the concept of cyclical and frictional unemployment. Support your answer with a suitable example.  

10
End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) Economics – Third Semester  
MICROECONOMIC EXTENSIONS AND APPLICATIONS (BAEH-C-303)

Time: 3 hrs.  
Max Marks: 100  
No. of pages: 2

Note: Attempt **FIVE** questions in total from **Part-A**, **Part-B** and **Part-C**. **Q.1 (Part-A)** and **Q.2 (Part-B)** are **compulsory**. Attempt any **THREE** questions from **Part-C**. Marks are indicated against each question.

**PART-A**

Q.1  
(a) Explain what is internalizing the externality.  
(b) Differentiate between risk averse and risk lowering consumers.  
(c) Draw the budget constraint when the rate of interest is zero and no borrowing is allowed.  
(d) Define the lexicographic preferences of the consumer.  
(e) Define the concept of consumer surplus.  
(f) Draw the shape of indifference curve when both goods are bad.  
(g) Explain the monotonic preference with the help of a diagram.  
(h) Explain the LaGrange multiplier with help of equation.  
(i) Explain the indirect utility functions.  
(j) Explain the concept of net demand and gross demand along with budget constraint.  **2×10**

**PART-B**

Q.2  
(a) The prices are \((P_1, P_2) = (2, 3)\) and the consumer is currently consuming \((x_1, x_2) = (4, 4)\). Now the prices change to \((q_1, q_2) = (2, 4)\). Could the consumer be better off under these new prices?  
(b) Explain the point of bliss (satiation point) with the help of suitable example and diagram.  
(c) A consumer’s buying behavior of good X and Y into price situations is observed as
Which consumption bundle has he revealed preferred to the other? Does his buying behavior reveal violation of the WARP?

d) Suppose that each person has a wealth of Rs 500, that each person values the TV at Rs 100, and the cost of the TV is Rs 150. Explain, what is the pareto efficient choice for this example, with the help of free riding game matrix.

e) Suppose, that there are two consumers A and B, have preferences over “money” and “smoke” both of them like money, but that A likes to smoke and B likes clean air. Depict the consumption possibilities for the two consumers in Edge worth box.
Q.5 Suppose that a consumer has an endowment of 200,000 kr each period (period 1 and 2) He can borrow money at interest rate of 200% and he can lend money at a rate of 0%.

a) Illustrate his budget set.

b) The consumer is offered an investment that will charge his endowment $M_1 = 300,000$ and $M_2 = 150,000$. Would the consumer be better off or worse off?

c) If the consumer is offered $M_1 = 150,000$ and $M_2 = 300,000$, would the consumer be better off or worse off?

Q.6 A consumer spends work of his income, Rs 1000 on two goods, X and Y. The price of good Y2 is fixed at Rs. 50 per units, while that of X varies. The current price of X is Rs 20 per unit and it falls to Rs 10 per unit after few days. The quantity demanded of X is given as a function of its own price and the consumer’s income as $X = M/5P_X$.

a) Determine the substitution and income effects under real income hypothesis of slursky.

b) Tell whether income effect is higher that the substitution effect.

Q.7 a) How is preference determined from utility function?

b) Explain Monotonic transformation of preferences and state positive and non-monotonic preference with help of diagrams.

$c) Given$ the utility function $U = 1000x^{1/3}y^{2/3}$ and consumer budget $3000 = 100x + 50y$, determine the equilibrium basket for the consumer, that is value of x and y.
Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
   a) What do you understand by liquidity trap?
   b) Define fiscal and monetary policy.
   c) Enumerate the assumptions underlying classical aggregate supply curve.
   d) Enlist the factors determining the slope of aggregate demand curve.
   e) What do you understand by natural rate of unemployment?
   f) Define “Phillips Curve”.
   g) Explain purchasing power parity.
   h) Graphically show the determination of exchange rate.
   i) Explain balance of payments deficit.
   j) Using BP curve, represent imperfect capital mobility.

PART-B

Q.2 Answer any four of the following:
   a) Will the following parties benefit or lose with a depreciation of Indian rupee? Justify your answer:
      i) An Indian firm trying to purchase property overseas.
      ii) Indian exporters.
      iii) Australian tourists planning a trip to India.
   b) With the help of a diagram, explain the steady state level of capital per worker under Solow model with depreciation and technological progress. Label the axes and curves properly.
   c) List and explain the three theories for why the short-run aggregate-supply curve is upward sloping.
   d) Explain how following factors affect the extent of crowding out effect:
      i) Responsiveness of money demand to rate of interest
      ii) Responsiveness of investment demand to rate of interest
   e) Distinguish between cost push and demand pull inflation.

PART-C

Q.3 a) Describe how each of the following developments affect the steady state capital stock in Solow model with the help of appropriate diagram:
      i) An increase in rate of technological progress.
      ii) Increase in savings rate.
   b) Explain how, according to the Solow model, technological progress is the source of sustained increase in output per worker?

Q.4 a) At time $t_0$, the level of money supply increases from $M_0$ to $M_1$. Using AD-AS analysis, trace short run, medium run and long run impact on prices and output. Is money neutral in medium run?
   b) Draw a diagram with aggregate demand, short-run aggregate supply, and long-run aggregate supply. Label the axes and curves properly. Explain why the long-run aggregate-supply curve is vertical.

Q.5 An economy is initially described by the following equations:
   $C_p = 500 + 0.75Y_D$
   $I = 1000 - 50r$
   $M/P = Y - 200r$
   $G = 1000$
T = 1000
M = 6000
P = 2

a) Using the information provided, derive the equations and graph the IS curve and the LM curve. Calculate the equilibrium interest rate and level of income. 4

b) Suppose that a government increase taxes by 20 percent. Assuming the money supply is held constant, what are the new equilibrium interest rate and level of income? 4

c) For part (b), now assume that the central bank adjusts the money supply to hold the interest rate constant. What is the new level of income? What must the new money supply be? 6

d) Now assume that the central bank adjusts the money supply to hold the level of income constant. What is the new equilibrium interest rate? What must the money supply be? 6

Q.6  a) Why are central banks unable to conduct an independent monetary policy under fixed exchange rate when there is perfect capital mobility? Elaborate. 10

b) Why is it that following a monetary expansion, exchange rate always overshoots its new long run equilibrium level? Explain and complement you answer with suitable diagrams. 10

Q.7  How do all the automatic adjustment mechanisms operate together to correct a deficit in a nation’s balance of payments under a fixed exchange rate system when the nation operates at less than full employment? 20
Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the following:
   a) Define leadership.
   b) Name the leadership styles given by Kurt Lewin.
   c) Name the three components of situational factors in Fielder’s contingency Model.
   d) What are some disadvantages of democratic leadership?
   e) Leader behavior is heat directly impacts work group effectiveness. _______ believed that ‘Leaders are made, not born’ and ‘Attempted to identify patterns of behavior that enable leaders to effectively influence others’.

PART-A

Q.2 What are the traits of a good leader? 5
Q.3 Discuss the Democratic style of leadership. 5
Q.4 Elucidate the Behavioral theory of leadership. 5
Q.5 What is transactional leadership? 5
Q.6 Discuss the Michigan leadership study. 5

PART-B

Q.7 Discuss situational leadership in detail. 10
Q.8 Elucidate the nature of leadership. 10
Q.9 Using examples discuss the relevance of profiling a leader. 10
Q.10 Critically compare transactional and transformational leadership with examples. 10
Note: Attempt **FIVE** questions in all; **PART-B** is compulsory. Attempt any **FOUR** questions from **PART-A**. Marks are indicated against each question.

**PART-A**

Q.1 What is statistics? What are the different utilities of statistics?  

Q.2 Calculate the Mean and SD from the following:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-15</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>16-20</td>
<td>16</td>
</tr>
<tr>
<td>3</td>
<td>21-25</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>26-30</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>31-35</td>
<td>10</td>
</tr>
</tbody>
</table>

Q.3 Calculate the appropriate statistics from the following data and write the interpretation of the findings:

<table>
<thead>
<tr>
<th>Group</th>
<th>Population Mean</th>
<th>Sample Mean</th>
<th>SD</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>128</td>
<td>100</td>
<td>12</td>
<td>At 0.05 – 2.36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>At 0.01 – 1.66</td>
</tr>
</tbody>
</table>

Q.4 What is normal distribution curve and what are its characteristics?  

Q.5 What is data? What are the different methods of data presentation?  

Q.6 Calculate the Mean and SD from the following data:

<table>
<thead>
<tr>
<th>55</th>
<th>70</th>
<th>57</th>
<th>73</th>
<th>55</th>
<th>59</th>
<th>64</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>48</td>
<td>58</td>
<td>54</td>
<td>69</td>
<td>51</td>
<td>63</td>
<td>78</td>
</tr>
<tr>
<td>75</td>
<td>64</td>
<td>65</td>
<td>57</td>
<td>71</td>
<td>78</td>
<td>76</td>
<td>52</td>
</tr>
<tr>
<td>49</td>
<td>66</td>
<td>62</td>
<td>76</td>
<td>61</td>
<td>63</td>
<td>63</td>
<td>76</td>
</tr>
<tr>
<td>52</td>
<td>76</td>
<td>71</td>
<td>61</td>
<td>53</td>
<td>56</td>
<td>67</td>
<td>71</td>
</tr>
</tbody>
</table>

**PART-B**

Q.7 Answer of the following questions:

a) Define Data.
b) What are the types of statistics?
c) Who gave the concept of T test?
d) The F Test was given by ______________.
e) Median is ______________.  

**End Semester Examination, May 2019**

B.Sc. / B.A. (Applied Psychology) – First Semester

**BASIC STATISTICS (BPSY-C-105)**

Time: 3 hrs.  

Max Marks: 50

No. of pages: 2

104/5
Note: Attempt EIGHT questions in all; Q.1 is compulsory. Attempt any FIVE questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the following questions:
   a) What is mode?
   b) How many quartiles are available in a data set?
   c) What is null hypothesis?
   d) Who gave T test?
   e) Rank Order correlation coefficient was provided by_________.  

PART-A

Q.2 What are the different types of statistics?  

Q.3 Calculate the mean from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-15</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>16-20</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>21-25</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>26-30</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>31-35</td>
<td>2</td>
</tr>
</tbody>
</table>

Q.4 Calculate the SD from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-15</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>16-20</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>21-25</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>26-30</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>31-35</td>
<td>2</td>
</tr>
</tbody>
</table>

Q.5 Calculate the rank order correlation from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>R₁</th>
<th>R₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

Q.6 Do the following group of people differ significantly or not?

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>Neutral</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Observed</td>
<td>36</td>
<td>22</td>
<td>30</td>
</tr>
<tr>
<td>Frequency Expected</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>
Q.7 What is Normal Distribution and what are its characteristics?

**PART-B**

Q.8 Describe the nature and meaning of statistics. Explain the different usages of statistics.

Q.9 Calculate the product moment correlation from the following:

<table>
<thead>
<tr>
<th>Obs_1</th>
<th>Obs_2</th>
<th>Obs_3</th>
<th>Obs_4</th>
<th>Obs_5</th>
<th>Obs_6</th>
<th>Obs_7</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
<td>18</td>
<td>25</td>
<td>20</td>
<td>21</td>
<td>30</td>
<td>42</td>
</tr>
<tr>
<td>y</td>
<td>8</td>
<td>10</td>
<td>11</td>
<td>3</td>
<td>12</td>
<td>24</td>
</tr>
</tbody>
</table>

Q.10 Describe the measures of central tendency from with the help of following data:

55  70  57  73  55  59  64  72  
60  48  58  54  69  51  63  78  
75  64  65  57  71  78  76  62  
49  66  62  76  61  63  63  76  
52  76  71  61  53  56  67  71  

---

End Semester Examination, May 2019
B.A. (Hons.) Economics – Fifth Semester
INTRODUCTION TO ECONOMETRICS (BAEH-C-503)

Time: 3 hrs.
Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Answer the following questions:
   a) What are the scopes of Econometrics?
   b) What are the main goals of econometrics?
   c) Prove that $E(uu') = \sigma^2_u I$ where $\sigma^2_u$ is a scalar represents var(u) and
   d) Why $R^2$ requires to adjust while measuring the goodness of fit in a multiple regression model?
   e) Given the estimated model $\hat{Y}_i = \bar{\hat{\alpha}} + \hat{\beta}_2 X_i$ prove that $\hat{\alpha} = \bar{Y}$ thereby leads to estimate average elasticity with respect or regression model.
   f) Why multicollinearity is a matter of concern in construction dummy variable model?
   g) Suppose a research want to estimate income-consumption relationship in India using relevant information from 1981 to 2018. Because of the fact that structural change happened in economy during 1991, researcher keeps it in mind and considers same in regression model. How to deal it?
   h) Briefly explain how VIF helps locate multicollinearity in model?
   i) Autocorrelation is mainly a problem with time series data – justify it.
   j) What is first-order autocorrelation? Which test you suggest to detect it? $2 \times 10$

PART-B

Q.2 Attempt (any four) of the following:
   a) Derive the mean value of estimated constant term in regression model.
   b) Prove that $E(\sum (u_i - \bar{u})^2) = (n-1) \sigma^2_u$ if $Y_i = a + bX_i + u_i$ under CLRM assumptions.
   c) Prove that $var(ax + b) = a^2 \var(X)$.
   d) Briefly explain the use of dummy as dependent variable in regression model with a suitable example.
   e) Write a note on Spearman’s rank correlation test for detecting heteroscedasticity. $5 \times 4$

PART-C

Q.3 a) Explain and prove that $R^2$ is a measure of the goodness of fit in regression model.
   b) Define and justify the range of values for $R^2$. $14$

Q.4 a) For a model like $D_i = \alpha + \beta P_i + u_i$, derive the normal equations and solve them to determine $\hat{\alpha}$ and $\hat{\beta}$ under CLRM. $12$
   b) Derive $SE(\beta)$ of the above model. $8
Q.5  
a) Explain the CLRM main assumptions using matrix notation.  
b) Prove the BLUE properties of OLS for simple model.  
c) Write a brief note on testing hypothesis for partial and joint coefficients in multiple regression model.  

Q.6  
a) Briefly explain how the Koyck geometric progression scheme helps estimate distributed-lag model using OLS?  
b) Write a brief note on the use of dummy variable in regression model. Explain with an example the situation of dummy variable trap.  
c) Using dummy variable technique, construct the regression model with one quantitative variable and one qualitative variable with more than two categories.  

Q.7  
a) Why the problem of autocorrelation founds in regression model? How can it be detected for 1st order scheme?  
b) What are the main consequences of high but imperfect multicollinearity?  
c) Explain how WLS or GLS model can deal with the heteroscedastic variance?
End Semester Examination, May 2019
BA / B.Sc. (Hons.) (Applied Psychology) — Fifth Semester
HEALTH PSYCHOLOGY (BPSY-C-503)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Attempt all:
   a) What is biofeedback?
   b) What is the bio-medical model of health?
   c) What is naturalistic observation?
   d) What is modeling behavior?
   e) What is the impact of nutrition on health?  

   \[2 \times 5\]

**PART-A**

Q.2 What is the health belief model?  
5

Q.3 Explain in detail any one theory of stress using relevant examples and studies.  
5

Q.4 What is the impact of diet and nutrition on health management? Comment with suitable studies and examples.  
5

Q.5 Discuss the behavioral measures used in pain management.  
5

Q.6 Discuss any one behavioral enactment model of health behavior.  
5

**PART-B**

Q.7 With the help of a case study comment on the relevance of the bio psychosocial model of health.  
10

Q.8 Discuss the causes of individual differences in coping with stress.  
10

Q.9 Discuss any four theories of stress with examples.  
10

Q.10 Elucidate the emergence of health psychology as a separate field.  
10
PART-A

Q.1 Answer the following questions:
   a) What does Political participation mean?
   b) What is an empirical theory?
   c) What is the Feminist theory?
   d) What is radical feminism?
   e) What was the first wave feminism?
   f) What do you mean by postmodernism?
   g) What rights do citizens have in a direct democracy?
   h) Explain the concept of positive freedom.
   i) Is decision by the majority always democratic?
   j) Why is Individual freedom important? 2x10

PART-B

Q.2 Attempt (any four) of the following:
   a) Discuss the relevance of Political theory.
   b) What are the similarities between politics and political science?
   c) What are the differences between parliamentary and presidential forms of government?
   d) Can a representative system be really democratic?
   e) What is the importance of right to freedom? 5x4

PART-C

Q.3 a) Where did the idea of democracy come from? 5
    b) Is liberal democracy the only possible form of democracy? 7
    c) What are the chief components of a functioning democracy? 8

Q.4 a) Define Politics. Discuss the nature and significance of political theory. 10
    b) Examine the main features of normative approach to the study of Political theory. 10

Q.5 a) What do you mean by equality? Discuss the different debates on the concept of equality. 8
    b) What is equality of opportunity? 5
    c) What are the three dimensions of equality? 7
Q.6  a) What is Postmodernism and why it is important to understand it?  
     b) What are the three main types of feminism? 

Q.7  a) Is there a relationship between freedom for the individual and freedom for the nation? 
     b) What is meant by social constraints? Are constraints of any kind necessary for enjoying freedom?  
     c) What is the role of the state in upholding freedom of its citizens?

End Semester Examination, May 2019
B.A. (Liberal Arts) — First Semester
INTRODUCTION TO SOCIAL WORK (BLA-SW-101)

Time: 3 hrs.  
Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Part-A and Part-B are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1  Answer the following questions:
     a) What do you mean by Social Justice? Explain with an example.  
     b) What are the principles of Social Work?  
     c) Differentiate between Charity and Shramdan.  
     d) Explain what you understand by privatization of social work practice.  
     e) Elaborate on the basic skills of social work practice?  

PART-B

Q.2  Answer the following questions:
     a) Explain the challenges of professional Social Work?  
        Or
        Explain the role of social worker while working with differently abled people?  
     b) What are the qualities of a professional social worker?  
        Or
        What is public opinion? How is it relevant to society?  
     c) How did religion shaped the development of Social work in India?  
        Or
        What do you understand by the term Social Movement? Illustrate with an example.  
     d) Discuss the various factors motivating Voluntary Action in Social work.  
     e) Explain the characteristics of Social service in terms of social reforms?  

PART-C

Q.3  What do you mean by Social work? Discuss the objectives of social work practice. 

Q.4  How did Social work emerge in the America? 

Q.5  Explain the impact of caste system on social work practice in India 

Q.6  Why is Family an important Social Institution? Discuss.
Q.1  Answer the following questions:
   a) How data is related to information?
   b) What are the types of statistics?
   c) What is the difference between mathematics and statistics?
   d) Which test will be able to differentiate among the group mean of normally distributed data?
   e) The correlation coefficient ranges from ___________.  2x5

PART-A

Q.2  What are the characteristics of a Normal Distribution?  5

Q.3  Calculate the mean from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16-20</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>21-25</td>
<td>15</td>
</tr>
<tr>
<td>3</td>
<td>26-30</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>31-35</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>36-40</td>
<td>10</td>
</tr>
</tbody>
</table>

Q.4  Calculate the SD from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Class Interval</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16-20</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>21-25</td>
<td>15</td>
</tr>
<tr>
<td>3</td>
<td>26-30</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>31-35</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>36-40</td>
<td>10</td>
</tr>
</tbody>
</table>

Q.5  Calculate the rank order correlation from the following data:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>R₁</th>
<th>R₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>
Q.6 If the performance of a class being compared on the basis of gender and following statistics is being preselected. Calculate the appropriate statistical measure to explain the findings.

<table>
<thead>
<tr>
<th>Group</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Mean</td>
<td>30</td>
<td>24</td>
</tr>
<tr>
<td>SD</td>
<td>5.74</td>
<td></td>
</tr>
<tr>
<td>T Value</td>
<td>2.20</td>
<td></td>
</tr>
<tr>
<td>CR</td>
<td>At 0.05 – 2.10</td>
<td>At 0.01 – 2.88</td>
</tr>
</tbody>
</table>

PART-B

Q.7 Describe the importance of graphical representation of the data. What are the different methods of data presentation?

Q.8 A research study was conducted to examine the clinical efficacy of a new antidepressant. Depressed patients were randomly assigned to one of three groups; a placebo group, a group that received a low dose of the drug, and a group that received a moderate dose of the drug. After four weeks of treatment, the patients completed the Beck Depression Inventory. The higher the score, the more depressed the patient. The data are presented below. Compute the appropriate test.

<table>
<thead>
<tr>
<th>Placebo</th>
<th>Low Dose</th>
<th>Moderate</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>22</td>
<td>14</td>
</tr>
<tr>
<td>47</td>
<td>19</td>
<td>26</td>
</tr>
<tr>
<td>39</td>
<td>8</td>
<td>11</td>
</tr>
<tr>
<td>25</td>
<td>23</td>
<td>18</td>
</tr>
<tr>
<td>42</td>
<td>31</td>
<td>5</td>
</tr>
<tr>
<td>CR-6.93 at 0.01 level</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.9 Following is the data for the age of husband and wife of a locality. Please compute the correlation from the following data:

| Husband (x) | 36 | 72 | 37 | 36 | 51 | 50 | 47 | 50 | 37 | 41 |
| Wife (y)    | 35 | 67 | 33 | 35 | 50 | 46 | 47 | 42 | 36 | 41 |
End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) Economics – First Semester  
MATHEMATICS FOR ECONOMICS (BECO-C-105)

Time: 3 hrs.  
Max Marks: 100  
No. of pages: 2

Note: Attempt FIVE questions in all; Q.1 (Part-A) and Q.2 (Part-B) are compulsory.  
Attempt any THREE questions from Part-C. Marks are indicated against each question.

**PART-A**

Q.1  

a) Identify $\phi, o, o_0$ and $\nabla$ with respect to set notation.

b) Suppose $x = a^y$. Find out $\frac{dx}{dy}$ when $y = 3$ and $a = 4$.

c) Given $s = f(u, v) = (u + 3)(2u + 4v)$, find out $f_u(5, 1)$.

d) Find out $\int (p^{15} + 5p^9 + 3)\ dp$.

e) If $a_n = 3n + \frac{8}{4}$ then calculate its 6th term.

f) Differentiate, if any, between identity matrix and scalar matrix.

g) If $z = \sum_{k=0}^{m} b_k y^k$, express it in general form of a polynomial function.

h) If $d = f(p_1, p_2) = 4p_1^2 + 3p_1p_2 + 6p_2^2$, find out $f_{p_2}$.

i) Find out the total derivative of utility function: $u = u(x, y) = x^3 + y^3$.

j) Solve differential equation $\frac{dz}{dt} + 3z = 0$ with initial condition $z(0) = 2$.  

**PART-B**

Q.2  

a) If average product, $AP = 24 - Q$ and $MP = 6$, find out $Q$.

$$A = \begin{bmatrix} 2 & 8 \\ 3 & 0 \\ 5 & 1 \end{bmatrix}$$

b) Given $\hat{\partial}p, \hat{\partial}p, \hat{\partial}^2p$ and $\hat{\partial}s_1, \hat{\partial}s_2, \hat{\partial}s_1\hat{\partial}s_2$ for $p = 4s_1^3 - 6s_1^2s_2 + 8s_2^2$, justify and calculate.

c) Find out $\frac{\hat{\partial}p}{\hat{\partial}s_1}$, $\frac{\hat{\partial}p}{\hat{\partial}s_2}$ and $\frac{\hat{\partial}^2p}{\hat{\partial}s_1\hat{\partial}s_2}$ for $p = 4s_1^3 - 6s_1^2s_2 + 8s_2^2$.  

2×10
d) Find out the value of integral $\int^{3}_1 6 \sqrt{u} du$.

e) For the difference equations $y_{t+1} + 3y_t = 4$, find out $y_c$ and $y_p$.  

**PART-C** 

Q.3  a) Suppose $X = \begin{bmatrix} 2 & 0 \\ 0 & 3 \end{bmatrix}$, $Y = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$, show that whether $XY \neq YX$.  

b) Using Cramer’s Rule, solve the following equations:

- $8x_1 - x_2 = 15$
- $x_2 - 5x_3 = 1$
- $2x_1 - 3x_3 = 4$

c) Verify the associative law of addition for matrices:

- $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$
- $B = \begin{bmatrix} 2 & -1 & 1 \\ 3 & -1 & 2 \end{bmatrix}$
- $C = \begin{bmatrix} -1 & 1 & 1 \\ -2 & 2 & 0 & -1 \end{bmatrix}$

\[ P = \begin{bmatrix} 2 & 1 & 3 \\ 7 & 5 & 6 \end{bmatrix} \]

d) Find out the determinant 

**Q.4**  

a) Find all partial derivatives up to second order of the function $f(p, q) = p^3 q^3 - p^5 q^5$.

b) If $y = 6x^6 - 2x^4 + 3x^2 + 5x - 3$, find out $f''(3)$.

c) Let $s = s(x, y)$ where $x = u^2v$ and $y = 3u + 2v$, find out $\frac{\partial^2 s}{ \partial v^2}$.

d) If $f(s, t) = s^3 e^t$, find out $f''_u$ and $f''_u$ at $(s, t) = (1, 0)$.

**Q.5**  

a) Find the integral for $\int 4e^{2x^3} dx$

b) Find the integral for $\int \frac{e^x}{1 + e^x} dx$

c) Evaluate the value of integral $\int_{0}^{10} \frac{1}{(7x + 10)} dx$

d) Find out value of $\int \frac{x^2 + x + \sqrt{x+1}}{(x+1)} dx$

e) Find out $\int x\sqrt{x}\sqrt{x} dx$

**Q.6**  

a) Solve first order difference equation $y_{t+1} - 5y_t = 1; \left( y_0 = \frac{7}{4} \right)$

b) Find the solution for $\frac{dy}{dt} + 2ty = t; y(0) = \frac{3}{2}$

115/5
Q.7 a) Suppose a researcher estimated input-output relationship for production of steel, cement, brick and furniture industries. It has been observed that
i) Steel industry facing a constant relation, 
ii) Cement industry is linearly related, 
iii) Brick reveals quadratic relation and
iv) Furniture observes as cubic one.
Using suitable notations define these relationships in functional form and show their possible shapes.

b) Solve second order recurrence relation given by \( F_n = 6F_{n-2} \) where \( F_0 = 2 \) and \( F_1 = 3 \).

c) If \( S = \{1, 4, 5, 6, 9\} \) and \( T = \{1, 6\} \) then explain whether \( T \subseteq S \) or \( S \supset T \).

d) If \( A = \{1, 2, 3, 4, 5\} \) and \( B = \{\text{red, white, blue}\} \), then explain how do you find out \( A \times B \).

e) Find the total cost function if it is found that marginal cost of output is \( x^2 + 7x + 50 \) and cost of 0 output produced is ₹500.

End Semester Examination, May 2019
B.A. (Hons.) Economics – Third Semester
MATHEMATICS FOR ECONOMICS-II (BAEH-G-305)

Time: 3 hrs.
Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Attempt all questions:
a) What will be equivalent Leibniz notation, \( D_x \) notation and \( y \) notation for \( f'' \) and \( f^{(5)} \).

b) Give \( z = a^x \). Find out \( \frac{dz}{dx} \) at \( x = 3 \) and \( a = 6 \).

c) Given \( y = f(x_1, x_2) = (x_1^2 + 3)(2x_1 + 5x_2) \), find out \( f_{x_1}(2,1) \).

d) If \( f(t) = t^{82} \), find out \( f^{(83)} \) and comment.

e) Find out \( s'' \) for \( s = r^5 e^r \).

f) If \( u = f(v) = v^2 - 12v + 36, \) what will be the value of \( \frac{du}{dv} \) to reach its extremum.

g) If \( f(x) = 3x^5 - 9x^4 \), find out \( f^{(4)} \).

h) If \( x = f(y, z) = 3y^3 + y^2z + 7z^2 \), find out \( f_z \).

i) Let \( Q = f(K, L) \) be the production function when \( K \) unit of capital and \( L \) unit of labor are used. How do you interpret \( f'_L(6,39) = 14 \).

j) If the long run production function: \( q = q(l_1, l_2, l_2, \ldots, l_n) \) how much total output will be changed for the change of all inputs simultaneously?

PART-B

Q.2 Attempt (any four) of the following:
Q.3
a) Find out the extremum of \( r = s^2 + t^2 \) subject to \( s + 4t = 2 \) and identify whether it has minimum or maximum point.  

b) Suppose a function \( g(a,b) = ab \) with constrain \( P = a + \frac{b}{1+i} \); find out the optimal \( a \) and \( b \), and comment on its second-order condition.  

c) What will be the optimal value(s) of function \( \omega = 2u^2 + vu + 4v^2 + ux + x^2 + 2 \).  

Q.4
a) Compute all partial second-order derivatives for \( u(s,t) = s^4 t^2 - s^2 t^6 \).  

b) If \( n = f(m) = 6m^4 - 5m^3 + 5m^2 + 3m - 7 \), find out \( f''(2) \).  

c) Find out \( f^{(6)} \) when \( f(x) = x^{-1} + 3x^2 - x^4 \).  

d) State the necessary and sufficient conditions for optimization. Find out the direction of optima point for \( y = x^3 + 3x^2 - x^4 \).  

Q.5
a) Find \( g^{(4)}(2) \) if \( g(t) = \sqrt{t} \).  

b) Compute first four derivatives of i) \( s = u^{-1} \) and ii) \( v = 4u^3 + 5u^3 + 3u \).  

c) Check whether \( \frac{\partial^3 h}{\partial x \partial y \partial y} = \frac{\partial^3 h}{\partial x \partial x} \) for the functions i) \( h(u,v) = x^3 y + x^2 y^2 + x + y \) and ii) \( h(x,y) = x^4 y^2 + x^2 y^6 \).  

d) If \( g(u,v) = u^3 e^v \), find out first and second order derivatives at \( (2,1) \).  

Q.6
a) Is it possible to determine all the extremums using first derivative test only explain it with any standard example.  

b) Justify and prove with suitable example about second derivative test for convexity/concavity of a function.  

c) Let \( D(X,Y) = X + 20Y \) with constraint \( B = \sqrt{X} + Y \), find out the optimal value of \( X \) and \( Y \).  

Q.7
a) While making choices for present or future, people face constraint on how much to use today and how much to keep for the future. Explain it in two-period intermporal framework and link it for the present value criterion.
b) Suppose a person created saving account with Rs. 750. After that the account has been converted as monthly recurrent with deposit of same amount for 6 years. The bank is offering a flat compound interest rate 9% p.a. How much will have the future value?

6

c) Amhat invests Rs.950 each month as an annuity at interest 18% p.a. for twenty years. What will be his future value at end?

4

d) Suppose the economy faces a long run monthly inflation at 1.5%. Explain the future value of Rs. 22350 in 9 year-times.

4

End Semester Examination, May 2019
MA / M.Sc. (Applied Psychology) – Third Semester
PSYCHOLOGY AND MEDIA (MA-AP-321)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt FIVE questions in all; Part-B is compulsory. Attempt any FOUR questions from Part-A. Each question carries equal marks.

PART-A

Q.1 What is media psychology? What is its scope?

10

Q.2 “Social media is a new source of psychological issues”. Explain the statement.

10

Q.3 Describe the principle of perception in terms of advertising.

10

Q.4 Develop a promotional campaign to regulate the people’s behavior towards open defecation.

10

Q.5 Describe the psychological advantage and disadvantage of online games? Cite examples to support your arguments.

10

PART-B

Q.6 Write a report on three different news channels in terms of their prime time content. Compare the content psychologically and explain their perspective.

10
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) (Applied Psychology) — Third Semester
COMMUNITY PSYCHOLOGY (BPSY-C-303)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SIX questions in all; Q.1 is compulsory. Attempt any FOUR questions from
PART-A and ONE question from PART-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines.
   a) Which fields have contributed to community psychology?
   b) List a community psychologist’s knowledge and skills.
   c) What is psychopathology?
   d) What are some community problems?
   e) Differentiate between community psychology and social psychology.  2×5

PART-A

Write short notes on the following:

Q.2 B = f(P, E).  5
Q.3 Rosenhan’s study.  5
Q.4 Factors that determine whether behavior is abnormal.  5
Q.5 Criteria for judging the best possible solution to a community problem.  5
Q.6 Aims and Objectives of NMHP.  5

PART-B
Q.7 You are an Advisor to a newly set up Refugee Camp which has people of families whom have overnight escaped the advance of ISIS across their country. Keeping in mind the “Community Psychology is a field with a unique new perspective for understanding the individuals within their environment which includes the larger social systems that affect their lives.” Design as per you, a detailed Action Plan for the first 100 days and explain each step of your Action Plan with examples.

Q.8 You are required to understand and compare on two contrasting communities. Design and create a road map of how you would go about it.

---

End Semester Examination, May 2019
B.A. B.Sc. (Hons.) (Applied Psychology) — First Semester
PIioneer Work in Psychology (Bpsy-O-106)

Time: 3 hrs.  
Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Attempt all:
   a) What are defense mechanisms?
   b) Who were the pioneers of structuralism?
   c) What is anima and animus?
   d) Explain the stimulus response relationship in operant conditioning.
   e) Explain the trust vs. mistrust stage of development.  

   PART-A

Q.2 Discuss Pavlov's contribution to the field of behaviorism.  

Q.3 What is the information processing theory?  

Q.4 Explain the theory given by Abraham Maslow.  

Q.5 What is positive psychology? Explain  

Q.6 Explain the concept of superiority given by Alfred Adler  

PART-B

Q.7 Explain in detail the psychosexual stages of development.  

20
Q.8 Discuss the theory of development given by Erik Erikson 10
Q.9 How is structuralism different from functionalism? Discuss in detail. 10
Q.10 Explain with examples the Gestalt 'Laws of perceptual organization? 10
End Semester Examination, May 2019
B.A. / B.Sc. (Hons.) Economics – First Semester
PRINCIPAL OF ECONOMICS (BECO-F-102)

Time: 3 Hours
Max Marks: 50
No. of pages: 2

Note: Attempt FIVE questions in all. SECTION-A is compulsory. Attempt any FOUR questions from SECTION-B. Marks are indicated against each question.

SECTION-A

Q.1 Answer the following questions:
   a) What is meant by positive economics?
   b) What is the difference between partial and general equilibrium?
   c) What is meant by economic agents?
   d) When cross elasticity of demand is negative?
   e) Explain the diamond-water paradox.

SECTION-B

Q.2 a) Explain the concept of scarcity. How does it give rise to economic problem?
   b) What is meant by normative and positive economics? Give one example of normative and positive economics.

Q.3 a) Define cross elasticity of demand. Distinguish between substitute and complementary goods on the basis of cross elasticity of demand.
   b) You are given market data that says when the price of Pizza is $4, the quantity demanded of Pizza is 60 slices and the quantity demanded of cheese bread is 100 pieces. When the price of pizza is $2, the quantity demanded of pizza is 80 slices and the quantity demanded of cheese bread is 70 pieces;
• Can the price-elasticity of demand be calculated for either good? 
• If so, calculate the PED.

Q.4 a) If the demand and supply curve for computers are: 
\[ D = 100 - 6P, \quad S = 28 + 3P \]
Where, P is the price of computers, what is the quantity of computers bought and sold at equilibrium. 

b) What is the relation between elasticity of demand and slope of demand curve? 
c) In December, the price of Christmas trees rises and the quantity of trees sold also rises. Is this a violation of the law of demand?

Q.5 a) Explain what is meant by the circular flow of income? 
b) State 3 injections into the circular flow of income? 
c) What do we mean by leakage? 
d) Name the 3 leakages from the circular flow of income?

Q.6 a) Find the slope of an assumed linear demand curve for theatre tickets, when persons purchase 1,000 at $5.00 per ticket and 200 at $15.00 per ticket. 
b) Which of the following factors will cause the demand curve for labor to shift to the right? 
   i) The demand for the product by labor declines. 
   ii) The prices of substitute inputs fall. 
   iii) The productivity of labor increases. 
   iv) The wage rate declines. 
   v) None of the above.

Q.7 a) Calculate personal income:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>i)</td>
<td>Retained Earnings of Private Corporations</td>
</tr>
<tr>
<td>ii)</td>
<td>Miscellaneous Receipt of Government Administrative Departments</td>
</tr>
<tr>
<td>iii)</td>
<td>Personal Disposable Income</td>
</tr>
<tr>
<td>iv)</td>
<td>Personal Taxes</td>
</tr>
<tr>
<td>v)</td>
<td>Corporate Profit Tax</td>
</tr>
</tbody>
</table>

b) Explain, why subsidies are added to and indirect taxes deducted from domestic product at market price to arrive at domestic product at factor cost?
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Economics – Fifth Semester
FINANCIAL ECONOMICS (BAEH-D-505)

Time: 3 hrs.  Max Marks: 100
No. of pages: 4

Note: Attempt five questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any three questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 a) Define the term ‘corporate Finance’.
   b) Why is the analysis of trends is financial ratios important?
   c) Explain Indgenedes bills and Accommodation bills.
   d) Differentiate between certificate of deposits and commercial bills.
   e) What do you understand by intrinsic value?
   f) What is mutually exclusive investment project and dependent project?
   g) If capital rationing is not optimal, any company use it?
   h) Define project financing.
   i) What is Risk Analysis?
   j) Explain Agency cost of debt. 2x10

PART-B

Q.2 Attempt (any four) of the following:
   a) Give a detail comparison between profit maximization decision criteria and wealth maximization decision criteria.
   b) Explain the difference between hedging, speculation and arbitrage. Also define hedges and speculators.
c) What are options? Explain the different types of options. When is a call option in the money, out of the money and at the money, explain with the help of example.
d) In trying the judge whether a company has too much debt, what financial ratios would you use and for what purpose?
e) Carbide Chemical company is considering the replacement of two old machines with a new, more efficient machine. If has determined that the relevant after, tax incremental operating cash flows of this replacement proposal are as follows:

<table>
<thead>
<tr>
<th>End of the year</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash flows in $</td>
<td>404,424</td>
<td>86,890</td>
<td>106,474</td>
<td>91,612</td>
<td>84,801</td>
<td>84,801</td>
<td>75,400</td>
<td>66,000</td>
<td>92,400</td>
</tr>
</tbody>
</table>

What is the project’s net present value if the required rate of return is 14 percent? Is the project acceptable?

PART-C

Q.3  
a) Select the alternative from the four options given below that give the highest return:
   i) 7,50,000 available today.
   ii) 1,810,000 to be received after 8 cycles.
   iii) 1,00,000 per annum in perpetuity.
   iv) 30,000 per month for a year and Rs 50,000 at the end of the year.
   Assume that the opportunity cost of capital is 11.5%.

b) What do you understand by the time value of money?

c) Explain compounding and discounting Techniques.

Q.4  
a) How do you think the value of bond would change with (i) increasing fall value; (ii) increasing coupon rate; (iii) increasing the periodicity of coupon; (iv) increasing the term of maturity.

b) Government of India is planning to issue a deep discount (zero coupon) bond with the face value of Rs 25,000 payable at the end of 10 years. The planned yield for investor is 12%.
   i) What would be the issue price of the deep discount bond?
   ii) If the proposed issue price of the bond is 7500 what yield would it offer to the subscribes of the bond if the hold it till the redemption on the bond, i.e YTM of zero coupon bond.

Q.5  
a) What do you understand by intrinsic value? Hot it’s related to or different from market value?

b) A stock paid a $ 10 dividend last year. Dividend are expected to grow 30% of year 1 and 2; 15% for years 3 to 5; and 5% from year 6. The required rate of return on equity is 10%. Calculate the intrinsic value of stock based upon multi stage dividend discount model.

Q.6  
Using the following information completes the balance sheet:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Long term debt to equit</td>
<td>.5 to 1</td>
</tr>
<tr>
<td>Total asset turnover</td>
<td>2.5 times</td>
</tr>
<tr>
<td>Average collection period*</td>
<td>18 days</td>
</tr>
</tbody>
</table>
Inventory turnover | 9 times
---|---
Gross profit margin | 10%
Acid test ratio | 1 to 1

* Use a 360 day year and all sales on credit.

<table>
<thead>
<tr>
<th>Cash</th>
<th>$_______</th>
<th>Notes and payables</th>
<th>$100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Receivable</td>
<td>_____</td>
<td>Long term debt</td>
<td>_____</td>
</tr>
<tr>
<td>Inventory</td>
<td>_____</td>
<td>Common stock</td>
<td>$100,000</td>
</tr>
<tr>
<td>Plant and equipment</td>
<td>_____</td>
<td>Retained earnings</td>
<td>$100,000</td>
</tr>
<tr>
<td>Total assets</td>
<td>$_______</td>
<td>Total liabilities and shareholders’ equity</td>
<td>$</td>
</tr>
</tbody>
</table>

Q.7  
(a) Define Bonds.  
(b) Explain the different types of Bonds.  
(c) Differentiate between Bonds and Debentures.

End Semester Examination, May 2019  
B.A. / B. Sc. (Hons.) (Applied Psychology) — Fifth Semester  
PSYCHOLOGICAL ASSESSMENT AT THE WORKPLACE  
(BPSY-D-504)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt SIX questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and ONE question from PART-B. Marks are indicated against each question.

Q.1  
Answer the questions in not more than two lines.  
a) Performance appraisal versus Performance management.  
b) What is reliability in testing?  
c) The five dimensions of personality are __________.  
d) List the methods of Performance Appraisal.  
e) Differentiate between Seniority and Experience.  

PART-A

Q.2  
360 Degree Performance Appraisal.  

Q.3  
Interview Techniques.
Q.4 Ethical Issues in Assessment.  
Q.5 Types of Rating Errors.  
Q.6 Validity in Testing.  

**PART-B**  
Q.7 You are an advisor to a startup company in the highly competitive field of “Online marketplace for food delivery” (like Swiggy and Food Panda). The company needs to hire their head of sales (All India). Keeping in mind that the different predictors that can be used, design and create a detailed process for the above and justify each step of your process with examples.  

Q.8 You are an advisor to a print media company which has been in existence for over 75 years. Your job is to modernize their performance management system keeping in mind the fact that till date they have not had formal performance evaluation in place. Design and create a detailed road map for introducing and implementing performance evaluation for this company.

---

**End Semester Examination, May 2019**  
M. Sc. / M.A. (Applied Psychology)—First Semester  
**BIOLOGICAL BASIS OF BEHAVIOUR (MPSY-C-106)**  

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1  

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory**. Attempt any **FOUR** questions from **PART-A** and **TWO** questions from **PART-B**. Marks are indicated against each question.

Q.1 Write answers of the following questions:  
   a) What is resting potential?  
   b) What is the function of endorphins and dopamine?  
   c) Briefly describe the mid-brain.  
   d) Explain the application of EEG and f MRI in psychological research.  
   e) Briefly explain Alzheimer’s disease.  

   2×5

**PART-A**  

Q.2 Describe the Peripheral Nervous System.  
Q.3 Explain the components and functions of the limbic system.  
Q.4 What is synaptic pruning? How is it useful?  
Q.5 Explain the role of amygdale in emotion.
Q.6 Explain the functions of the different lobes of the brain.  

**PART-B**

Q.7 Explain the difference between PET scan and CAT scan. How is it difficult from MRI?  
Q.8 With the help of a diagram explain the process of action potential.  
Q.9 Explain in detail the difference types of neurotransmitters and their functions.  
Q.10 Using a case study explain the role of hypothalamus in memory and learning.
b) Give a detail classification of Indian Debt Market.  5

c) Discuss the FDI can take form of greenfield entry or take over.  5

d) Define Merchant banking and discuss the functions of Merchant banking.  5

e) Explain in detail different types of equity issues.  5

**PART-C**

Q.3  
a) Define the Non-Banking financial companies according to clause (b) of section 45.1 of RBI. 7  
b) Explain the NBFC Factoring Regulation Act 2011. 7  
c) How have NBFCs contributed to the economic growth of the country? 6

Q.4  
a) Explain the role of insurance in economic growth of the country. 8  
b) ‘Life Insurance Corporation is still a monolith.’ Do you agree? Why? 8  
c) Differentiate between LIC and GIC. 4

Q.5  
a) Define Foreign Portfolio Investment and how it emerged in India? 7  
b) Explain the advantages and disadvantages of FDI to:  
   i) Investors  
   ii) Host Country. 7  
c) Analysis the impact of FDI on any economy. 6

Q.6  
a) Define the commercial banks and state its primary and agency functions. 10  
b) State the role of commercial bank in the Economic development and growth of the country.  
   10

Q.7  
a) Explain the structure of an offshore fund. 4  
b) State the challenges of offshore funds in India and also suggest the remedies. 10  
c) How offshore funds prove to be tax benefit in India? 6

**End Semester Examination, May 2019**

M. Sc. / MA (Applied Psychology) — First Semester

**CLINICAL PSYCHOLOGY-I (MPSY-D-107)**

Time: 3 hrs.  
Max Marks: 50

Note: Attempt Seven questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Short answer types questions:  
a) State any two differences between ICD and DSM?  
b) Define MSE.  
c) What is the difference between panic and phobia?  
d) According to DSM 5 what are mood disorders?  
e) Define DID.  

**2×5**

Q.2 Define ‘psychopathology’. Describe the various classificatory systems of psychopathology. 5

Q.3 What are anxiety disorders? Mention the diagnostic criteria of any three types of Anxiety disorder. 5

Q.4 Describe the clinical features of the major dissociative disorders. 5
Q.5 Describe the diagnosis and treatment of Depressive disorders.  

Q.6 Discuss the biological, psychological and social factors that contribute to the somatic symptom disorders.  

**PART-B**

Q.6 Answer (any two) of the following long answer type questions:

a) Deepti, a 30-year-old woman presents to your clinic stating that she is troubled by headaches and fatigue. She says that she always feels tired and can’t sleep well. Often waking up early. She describes her headaches as dull, aching and generalized. These symptoms began about three weeks ago and have been getting worse. She reports a lack of interest in her usual activities. She also reports that she is missing work due to fatigue and inability to concentrate. She is facing excessive guilt as she is not able to give time to her husband and is having frequent crying spells. She is not able to give time to her husband and is having frequent crying spells. She reports not sleeping well and a loss of appetite, with a weight loss of 5kgs in the last month. What diagnosis and treatment plan will you formulate for her?

b) Present a case study on OCD along with a treatment plan.

c) Present a case study on Mania along with possible causes.  

---

**End Semester Examination, May 2019**

MA (Applied Psychology) – First Semester

**GENDER: TOWARDS A NEW UNDERSTANDING (MPSY-O-108)**

Time: 3 hrs. Max Marks: 50

Note: Attempt **SEVEN** questions in all; **Q.1 is compulsory**. Attempt any **FOUR** questions from **Part-A** and **TWO** questions from **Part-B**. Marks are indicated against each question.

Q.1 Write short answers for each of the following:

a) Explain the personality differences in Tchambuli tribe in Margaret Mead’s work “Sex and Temperament in Three Primitive Societies”

b) Elaborate on the difference between boys and girls in expressing conformity and domesticity.

c) What is the difference between sex and gender?

d) The book “Sex and Personality” explaining scientifically the norms of masculinity and femininity was written by whom?

e) “One cannot predict the adult female’s aggressiveness from childhood observation of her behavior, but one can predict her degree of passivity” Why?  

**PART-A**

Q.2 Explain the significance of intellect in relation to sex differences.  

---

130/5
Q.3 Explain briefly the discovery and significance of anorexia nervosa, using feminist perspective. 5

Q.4 What do you mean by feminism? Explain the emergence of feminist movements with relevant examples. 5

Q.5 With reference to the Domestic Violence Act, 2005, elaborates on the judicial perspectives of domestic violence. 5

Q.6 How did the feminist perspective develop, explain the emancipation of women briefly. 5

PART-B

Q.7 Explain the social and religious perspectives related to menstruation. What are some of the myths related to menstruation? 10

Q.8 Elaborate on the relationship between sex and intellect. 10

Q.9 Elaborate on the relationship between sex and personality. 10

Q.10 How did the feminist perspective develop, explain the history of emancipation of women in detail. 10

End Semester Examination, May 2019
B.A. / B.Sc. (Hons.) Economics – Sixth Semester
INTERNATIONAL ECONOMICS (BAEH-C-602)

Time: 3 hrs. Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; PART-A and PART-B are compulsory. Attempt any THREE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer all the questions in not more than 50 words each:
   a) What is meant by an ad valorem, a specific, and a compound tariff?
   b) What is meant by capital-abundant nation?
   c) What determines the shape of the production possibility frontier of a nation?
   d) When is partial equilibrium analysis of a tariff justified?
   e) Explain capital saving technological progress.
   f) What is meant by complete specialization?
   g) Using a suitable example, how gains from trade accrue under absolute advantage theory.
   h) State Rybczynski theorem.
   i) State the assumptions for absolute factor price equalization between nations
   j) What is meant by the optimum tariff? 2×10

PART-B

Q.2 a) How would you counter the argument that the United States needs to restrict textile imports in order to save American jobs?
   b) What do offer curves show? In what way is the offer curve different from the usual
demand and supply curves?

c) Explain how trade restrictions impact the nation's terms of trade and volume of trade?

d) State the assumptions of the Heckscher-Ohlin theory.

e) What is the theory of the second best? Explain in what way is the theory of customs unions an example of the theory of the second best?

**PART-C**

Q.3 Using general equilibrium analysis and assuming that a nation is large, indicate the effect of an import tariff on the nation's offer curve, the nation's terms of trade, the volume of trade, the nation's welfare, and the distribution of income between the nation's relatively abundant and scarce factors.

Q.4 a) What are the technical, administrative, and other non-tariff barriers to trade? How do they restrict trade? What is the importance of these non-tariff barriers relative to tariff barriers?

b) What are international cartels? How do their operations restrict trade?

Q.5 What is meant by trade diversion? What static welfare effects will a trade-diverting customs union have on member nations and on the rest of the world? How do these static welfare effects arise? How are they measured?

Q.6 a) What is meant by the elasticity approach and the absorption approach?

b) In what way does the absorption approach integrate the automatic price and income adjustment mechanisms?

Q.7 How can fiscal and monetary policies be used to achieve full employment level and external balance under fixed exchange rates and limited international capital mobility? With high international capital mobility.

---

**End Semester Examination, May 2019**

M.A. (Applied Psychology) – Second Semester

APPLIED PSYCHOMETRICS (MPSY-C-204)

Time: 3 hrs. Max Marks: 50

No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 a) Define measurement and evaluation.

b) Psychological testing begun in ____________.

c) Speed test refers to ____________.

d) Test retest reliability is actually ____________.

e) 16 PF was constructed by ____________.

Q.2 Describe the characteristics of good test.

Q.3 If 70 out of 100 students do a question correctly then calculate Harper’s facility index.

Q.4 What is item descriminability?

Q.5 If the two administration of the same test on same population are found to be correlated at 80, please calculate the reliability of the test.
Q.6 Describe the formula used for correction of attenuation. 5
Q.7 If a test has a reliability of 60 and validity of 30 what will be the new validity if the test is tripled in length? 5

**PART-B**

Q.8 What are the different types of psychological tests? What is their usage? 10
Q.9 Critically evaluate the concept of validity and explain the different types of validity. 10
Q.10 Following are the scores of two administration of the test please calculate the reliability from the same.

<table>
<thead>
<tr>
<th>First administration</th>
<th>36</th>
<th>72</th>
<th>37</th>
<th>36</th>
<th>51</th>
<th>50</th>
<th>47</th>
<th>50</th>
<th>37</th>
<th>41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second administration</td>
<td>35</td>
<td>67</td>
<td>33</td>
<td>35</td>
<td>50</td>
<td>46</td>
<td>47</td>
<td>42</td>
<td>36</td>
<td>41</td>
</tr>
</tbody>
</table>

End Semester Examination, May 2019
B.Sc. / B.A. (Hons.) Applied Psychology – Sixth Semester
EDUCATIONAL PSYCHOLOGY (BPSY-C-603)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SIX questions in all; Q.1 is compulsory. Attempt any FOUR questions from PART-A and TWO questions from PART-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines.
   a) Define the term lateralization.
   b) Define the term zone of proximal development.
   c) Define the term growth mindset.
   d) Define the term accommodation with an example.
   e) Define the term assimilation with an example. 2×5

**PART-A**

Q.2 Guidelines to improve supportive positive body image in students. 5
Q.3 Write Good and bad characteristics of a teacher. 5
Q.4 Parenting styles. 5
Q.5 Bloom’s taxonomy. 5
Q.6 Techniques of play activities. 5
**PART-B**

Q.7 Using what you learned from Piaget and Vygotsky, do you believe it is better to push a child or leave him to learn at his or her own pace? 10

Q.8 Explain reinforcement? What strategies to advice them for using operant conditioning to encourage positive behavior? 10

Q.9 Compare the theories of Bronfenbrenner and Erickson with help of model. 10

Q.10 What is aggression? Write an IEP on anger management. 10
Q.5 Calculate the appropriate statistics from the following data and interpret the results

<table>
<thead>
<tr>
<th>Source of variation</th>
<th>ss</th>
<th>df</th>
<th>ms</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Section)</td>
<td>24</td>
<td>1</td>
<td>22</td>
<td>4.00**</td>
</tr>
<tr>
<td>B (Pedagogy)</td>
<td>8</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>AB</td>
<td>140</td>
<td>2</td>
<td>70</td>
<td>11.6**</td>
</tr>
</tbody>
</table>

Q.6 Write a short note on partial correlation. 5

Q.7 Describe different methods of multivariate statistics. 5

**PART-B**

Q.8 Write a critical note about Factor analysis and explain its usage. 20

Q.9 Calculate the Appropriate statistics from the following. The data describe the salary differences of three groups.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>48</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>51</td>
<td>19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>32</td>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>30</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>30</td>
<td>17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>40</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>38</td>
<td>48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>15</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>10</td>
<td>46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>45</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>30</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mean</td>
<td>47.3</td>
<td>30.833</td>
<td>28.75</td>
<td></td>
</tr>
<tr>
<td>var</td>
<td>206.68</td>
<td>92.75</td>
<td>173.64</td>
<td></td>
</tr>
</tbody>
</table>

Critical Value – 5.99 at 0.05 level

Q.11 Describe the measures of central tendency from with the help of following data.

<table>
<thead>
<tr>
<th>Group 1</th>
<th>Group 2</th>
<th>Group 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>23</td>
<td>56</td>
</tr>
<tr>
<td>45</td>
<td>40</td>
<td>76</td>
</tr>
<tr>
<td>30</td>
<td>23</td>
<td>74</td>
</tr>
<tr>
<td>45</td>
<td>40</td>
<td>85</td>
</tr>
<tr>
<td>67</td>
<td>45</td>
<td>56</td>
</tr>
</tbody>
</table>

Critical Value (2, 12) – 3.8 at 0.05
End Semester Examination, May 2019
B.A. / B.Sc. (Hons.) Economics – Second Semester
INTERMEDIATE MICROECONOMICS (BECO-C-203)

Time: 3 hrs. 
Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in all; PART-A and PART-B are compulsory. Attempt any THREE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 a) Explain why a non-price competition agreement is known as “loose” cartel.
b) Define product positioning in context of location model.
c) Differentiate between low cost firm and dominant price leadership.
d) Show that monopoly power varies inversely as the price elasticity of demand.
e) On what grounds are the price leadership models criticized?
f) What are the key parameters on which market-structure is determined?
g) Why marginal cost curve cuts average cost curve from its minimum point?
h) Define reaction curve for an oligopolist.
i) What are the equilibrium conditions for a perfectly competitive firm in long run?
j) If there are three firms in an oligopolistic market, how much output an individual firm will produce at the equilibrium? What will then be total supply of output in the industry?

PART-B
Q.2  
a) Explain how does the levy of a lump-sum tax affect the price-output decisions of a monopoly? Explain with the help of a diagram.
b) Explain how a monopoly firm can determine its equilibrium by interaction between TR and TC?
c) Demonstrate equilibrium of the multi-plant monopoly with help of suitable example and diagram.
d) Derive and explain the three key relations between average and marginal curves.
e) Briefly explain the Chamberlin's short run monopolistic theory with suitable diagram.

**PART-C**
Q.3  
a) Assume that the market demand is:  
\[ P = 200 - 0.5Q \]
where,  
\[ Q = Q_1 + Q_2 \]
and the two colluding firms have costs given by  
\[ C_1 = 10Q_1, \quad C_2 = \frac{1}{2}Q_2^2 \]. How would the central agency locate the outputs to the two so as to maximize the joint profits? What would the respective profits be?  

b) Given that market demand is  
\[ P = 205 - 5Q \]
where,  
\[ Q = Q_1 + Q_2 \], and cost function of the two firms are  
\[ C_1 = 5Q_1 \]  and  
\[ C_2 = 10Q_2 \]  respectively. Determine the price that low-cost firm will set, and the quantities that the two firms will sell when they have resolved to share the market equally.

Q.4  
a) Explain the mechanism of price discrimination.  
b) Using an appropriate diagram, explain why a major airline charges different prices for the same Chennai to Delhi flight.  
c) Discuss the extent to which price discrimination is beneficial to producers and consumers?

Q.5  
a) Explain the firm's short run equilibrium using MR-MC approach.  
b) Explain how a competitive firm can determine its long run supply curve under decreasing cost condition?

Q.6  
a) How the reaction curves are derived from isoprofit curves?  
b) Using the reaction curves, determine how firms can reach its equilibrium?  
c) Solve the Cournot equilibrium for reaction curve using suitable mathematical model.

Q.7  
a) Explain the breakeven and shutdown points for a competitive firm.  
b) What is economic rent? How it is determined in perfectly competitive market under long run situation?  
c) Explain the long run dynamic change for a firm with respect to exogenous shift of market demand.
Q.1 Differentiate between two of the following:
   a) Altamira and Alaska cave painting.
   b) Greek Art.
   c) Early Christian Art.
   d) Filippo Brunelleschi and Giotto.
   e) Father of modern art.
   f) Cubism.

**PART-A**

Q.2 Write about any three renowned artists of High Renaissance, with explanation of their art work and artistic style.

Q.3 How did the Baroque style differ from previous artistic styles? Explain it with the support
Q.4 What do you know about artistic term Neoclassicism? Justify it with suitable example.

Q.5 Write with own understanding about rococo style, technique, origins and main schools.

Q.6 "Romanticism” write it with the support of any two artists with their contribution.

Q.7 “Art in the 19th century: realism, impressionism and post impressionism” how these movements were different from each other? Explain its example.
Q.3 Write in detail about ‘Art Nouveau’?

Q.4 What are the seven steps in design process? Explain first three process of design.

**PART-B**

Q.5 Explain ‘The Arts and Crafts’ movement Origins and influences.

Q.6 What you know about Pop arts movement? Explain it with suitable example.

Q.7 What is Toulouse Lautrec Know for? Explain in detail.
j) Why government intervenes in the market?  

**PART-B**

Q.2 Attempt *(any four)* of the following:

a) Presence of consumption externality creates inefficiency in private market equilibrium – explain.

b) Briefly explain the cannons of taxation in modern economy.

c) Using a suitable example, compare GST system and VAT system.

d) Using a rough sketch, systematically present any government budget.

e) What are the roles of State Finance Commission?  

**PART-C**

Q.3 a) Explain the inefficiency of positive externality in private market solution.  

b) Write a brief note on the roles of government in a modern economy.  

c) Briefly explain the free riding issue in public goods.  

Q.4 a) Explain how the amount to tax determine as per Benefit-Principle?

b) Suppose a unit tax on production imposes at a rate \( t \) which increase price of commodity \( P_0 \) to \( P_1 \) (where \( P_1 = P_0 + t \)). Explain its possible effects using suitable diagrams when market showing (i) normal DD-SS curves and (ii) normal DD but finitely elastic SS.

c) Classify direct and indirect taxes using the concept of impact and incidence of tax.  

Q.5 a) Explain Samuelson Rule for determining costs of public goods among citizens.

b) How government determines levels of subsidy to encourage private supply of commodity involving positive externality.  

Q.6 a) Briefly explain the federal fiscal structure of India.

b) Explain the role of NITI Aayog for promoting cooperative fiscal federalism.  

c) Write a brief note on the major recommendations by 14\(^{th}\) Finance Commission of India.  

Q.7 a) Using a suitable numerical example, briefly explain the erstwhile VAT system in India.

b) A firm sells its product @ Rs. 120 to its distributor. In the pre-GST regime, there was 8% excise duty and 12% VAT. While in post-GST period, there are 10% each as CGST and SGST. Compare the pre and post GST taxes.

c) If you look at any public budget of state government, what are the two broad sources of tax and non-tax revenues? Comment on its recent pattern of development expenditure.
End Semester Examination, May 2019
BA / B.Sc. (Hons.) Applied Psychology – Fourth Semester
LIFE SPAN DEVELOPMENT (BPSY-C-401)

Time: 3 hrs. Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the questions in not more than two lines.
   a) Define Developmental Psychology.
   b) Define cognitive Mechanics and Cognitive Pragmatics.
   c) Define Wisdom.
   d) Explain Trust and Mistrust.
   e) What is the Apgar Scale? 2×5

   **PART-A**

Q.2 Describe the perceptual development of taste, touch and vision during infancy. 5

Q.3 Explain: Erikson’s Psychosocial Stages of development. 5
Q.4  What is Dementia, Alzheimer’s disease and Parkinson’s Disease like in older adults?  
Q.5  Explain Formal Operational Stage.  
Q.6  What are some of the hazards in emotion development in children?  

**PART-B**

Q.7  Suppose you have to give presentation to Class 4th students on emotional development and emotional control. How will you go on about it? Prepare a detailed presentation on the same.  
Q.8  Suppose you have to give a presentation to expectant mothers in a nearby village on the harmful effects of teratogens. Prepare a detailed presentation on the same.  
Q.9  Suppose you have a take a workshop for parents whose children are going through puberty. Explain to them the social changes which are likely to be experienced by children in puberty.
Q.5 Write the necessary points that need to be built for a good case study.  

**PART-B**

Q.6 Analyze any case which you have dealt with in detail.
**PART-B**

Q.2  Answer the *(any four)* of the following:
   a) How does industrial development help in improving the standard of living?
   b) Examine the main features of individual proprietorship. Discuss the merit and
demerits also.
   c) Describe the problems of large industries.
   d) Define seller concentration/market concentration and discuss the factors which are
responsible for market concentration.
   e) Discuss the promotional activities and functions of IDBI.

**PART-C**

Q.3  a) According to Alfred Weber, what are the factors that affect industrial localisation?  
     b) Critically examine Alfred Weber’s Theory of Industrial Localisation.

Q.4  a) Explain with the help of examples how top Indian companies have benefitted from
globalization.
     b) Describe the role of Multinational Corporations (MNCs) in promoting globalization
process.

Q.5  a) Mergers and Acquisitions have become a necessity in these days of Globalization. Do
you agree?
     b) What are the major types of merger and acquisition?

Q.6  a) What are the different types of economies of scale? What are the major causes of
economies of scale and diseconomies of scale?
     b) Describe the likely economies and diseconomies of scale for:
        i) A large supermarket chain, like shoppers Stop.
        ii) A large computer games manufacturer operating in several countries, like Sony.

Q.7  Write short notes on:
   a) Current problems of iron and steel industry.
   b) Role of IFCI in promoting industrial activities.
Q.1 Write short answers for each of the following:
   a) “OCB” Stands for?
   b) Define organizational structure.
   c) Who gave the “Equity Theory”?
   d) Who proposed “Situational Leadership”?
   e) Who gave the concept of “OCB”?  

   **PART-A**

Q.2 Describe briefly about “Organization Culture” and how is it different from “Organizational climate”?

Q.3 Describe the “Expectancy Theory” of work Motivation.

Q.4 Describe the “Path-Goal” theory of leadership.
Q.5 Explain the “Skill Approach” to leadership.  
Q.6 Describe the concept of “Organizational Commitment.”  

**PART-B**

Q.7 Explain the relevance of “Hawthorne Study” in field of Industrial Organizational Psychology.  
Q.8 Explain any two process theories of work motivation.  
Q.9 Explain “Situational Approach” to Leadership.  
Q.10 Explain the concept of “Organizational Trust”.

---

**End Semester Examination, May 2019**

B.A. (Hons.) Economics– Second Semester

**WORKSHOP ON PRESENTATION SKILLS (BA-ECO-GE-03)**

Time: 3 hrs.  
Max Marks: 100

No. of pages: 1

Note: Attempt **SEVEN questions in all; Q.1 is compulsory.** Attempt **THREE questions from Part-A and Three questions from Part-B.** Marks are indicated against each question.

Q.1 Write short notes on the following:  
a) Gestures.  
b) Topic Sentence.  
c) Rapport with audience.  
d) Transitional sentence.  
e) Questioning in presentation.  

**PART-A**

Q.2 What is group discussion? Write the do’s and don’ts of a group discussion.  
Q.3 What are the three steps to deliver effective presentation? Explain.  
Q.4 Write an essay on:  
a) Importance of casting your vote in elections.  
b) Cricket in India  

5×2
**PART-B**

Q.5 How do you handle questions from the audience effectively? Explain in detail different aspects of body language. Also state its importance while delivering a presentation.  

Q.6 What are the 5 methods of presentation? Explain each in detail stating its usage in relevance to different situations.  

Q.7 What is audience analysis? Explain in detail different aspects of it. State its importance when designing and delivering an effective presentation.  

Q.8 Design a presentation on “Indian bollywood industry”.  

Q.9 What is feedback? What is the most appropriate method to provide feedback? What is its (feedback) relevance while delivering a presentation?

---

**End Semester Examination, May 2019**  
BA (Applied Psychology) – Second Semester  
UNDERSTANDING HUMAN BEHAVIOUR (BPSY-C-203)

**Time: 3 hrs.**  
**Max Marks: 50**  
**No. of pages: 1**

**Note:** Attempt **SEVEN** questions in all; **Q.1 is compulsory.** Attempt any **FOUR** questions from **Part-A** and **TWO** questions from **Part-B.** Marks are indicated against each question.

Q.1 Answer the following:  
a) Define: Linguistic Relativity Hypothesis  
b) Define: Artificial Intelligence  
c) Right cerebral hemisphere plays an important role in emotional functions: True/False  
d) Define: Pleasure principle  
e) Hypothalamus plays an important role in eating and satiety: True/False  

Q.2 What do you mean by personality? Elaborate the different ways of measuring personality.  

Q.3 Define Motivation. Explain Hunger Motivation.  

Q.4 What do you mean by emotions? Elaborate on the biological basis of emotions.
Q.5 What are the availability, representativeness and anchoring and adjustment heuristic, and what role do they play in decision making?  

Q.6 With the example of KoKo, elaborate how language can be acquired by animals.  

**PART-B**

Q.7 Suppose your friend continues to buy stock of a company despite of the company showing losses. Even after significantly other telling him not to buy more stock, he keeps on buying. What kind of psychological phenomena is at play here? Elaborate.  

Q.8 Suppose you have to address a team of individuals working in an NGO and explain to them about problem solving processes. Prepare a presentation on the same. Provide a detailed account of your presentation on problem solving and its related concepts.  

Q.9 Suppose you have to motivate a group of students to volunteer for organizing a blood donation camp. How will you motivate them? With relevant research evidence, prepare a detailed presentation.

**End Semester Examination, May 2019**

B.A. / B. Sc. (Hons.) Economics – Fourth Semester

**COMMUNICATION AND WRITING SKILLS (BAEH-F-401)**

Time: 3 hrs. 

Max Marks: 50

No. of pages: 2

Note: Attempt FIVE questions in total from Part-A, Part-B and Part-C. Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

**PART-A**

Q.1 a) Write the points to be taken care while writing a formal e-mail.  

b) Explain what is Memo  

c) Explain the purpose of Agenda  

d) What is a Debate?  

e) What do you understand by Idioms?  

2x5

**PART-B**

Q.2 a) Differentiate between Group Discussion and Debate.  

b) You have to read the following sentences and underline the word or words that belong to the part of speech:  

i) She went to the market and bought some eggs. Here went is a ________.

   a) Verb  
   b) adverb  
   c) noun

ii) I want to go now. Here now is a/an ________.

6
Q.3 a) Complete the exercise below with idioms:
   i) Paying 10 dollars for 100 gram of cream is highway _______.
      a) theft  b) burglary  c) robbery
   ii) When the organization discovered that he had served _______ for theft, they chose not to hire him.
      a) time  b) years  c) months
   iii) I don't like crime thrillers. They are not my cup of _______.
        a) juice  b) tea  c) coffee
   iv) She and her sister are like _______ in a pod.
        a) peas  b) beans  c) seeds

b) What are the ways to make your presentation interesting? Name and explain the importance of aids used in presentation.

Q.4 a) Write the meaning of active and passive voice.

b) Convert the following active sentences into passive sentences by supplying an appropriate passive verb form.
   i) She will not recognize us. / We _______ by her.
      a) will not recognize  b) will not being recognized  c) will not be recognized
   ii) They didn't invite me, but I went anyway. / I __________ but I went anyway.
      a) wasn't invited  b) wasn't being invited  c) wasn't inviting
   iii) They broke up the table for firewood. / The table ______ up for firewood.
      a) broke  b) had broken  c) was broken
   iv) This book will change your life. / Your life _______ by this book.
      a) will be changing  b) will be changed  c) will have been changed

Q.5 a) What will be your response to the question "Why should we hire you"?

b) Explain the Do's and Don'ts of the CV. Prepare a format of your own CV.

Q.6 a) Write an Email to the HR manager of XYZ University requesting for the interview call for the vacancy of Economics teacher.

b) Identify the clauses and point it whether it is a Noun Clause, Adjective Clause, and Adverb Clause.
   i) The bankers need to know what they should do.
   ii) The books, which are lost, are not really necessary.
   iii) Whether you like it or not, you have to go to bed now.
   iv) Students who are intelligent get good grades.
End Semester Examination, May 2019
B.A. / B.Sc. (Hons.) Economics – Second Semester
INTERMEDIATE MACROECONOMICS (BECO-C-204)

Time: 3 hrs.                                            Max Marks: 100
No. of pages: 2

Note: Attempt FIVE questions in all; PART-A and PART-B are compulsory. Attempt any THREE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer all the questions in not more than 50 words each:
   a) When real GDP declines during a recession, what typically happens to consumption, and investment?
   b) Explain the concept of Liquidity trap.
   c) Define marginal propensity to consume.
   d) What is the slope of IS curve?
   e) Explain Pigou effect.
   f) How does an increase in interest rate impact aggregate demand.
   g) What is natural rate of unemployment?
   h) What do you understand by adaptive expectations?
   i) Give two reasons for downward rigidity of money wages.
   j) Explain the concept of paradox of thrift.

PART-B
Q.2 Answer the following short questions *(any four)*:

a) Explain carefully why the tax multiplier 
\[ \frac{dY}{dT} = \frac{-b}{1 - b} \] 
is negative and why it is smaller in absolute value than the government expenditure multiplier 
\[ \frac{dY}{dG} = \frac{1}{1 - b} \].

b) What is crowding out? In the face of substantial crowding out, which will be more successful—fiscal or monetary policy?

c) Derive short run aggregate supply curve.

d) We termed the classical view of the labour market an auction market. What assumptions underlie this characterization?

e) Determine whether each of the following statements is true or false, and explain why?
   i) If investment does not depend on the interest rate, the LM curve is horizontal.
   ii) If investment does not depend on the interest rate, the IS curve is vertical. 5×4

\textbf{PART-C}

Q.3 Suppose a country has a money demand function 
\[ \frac{M}{P} d = k Y \], where \( k \) is a constant parameter. The money supply grows by 12 percent per year, and real income grows by 4 percent per year.

a) What is the average inflation rate? 4

b) How would inflation be different if real income growth were higher? Explain. 5

c) How do you interpret the parameter \( k \). What is its relationship to the velocity of money? 5

d) Suppose, instead of a constant money demand function, the velocity of money in this economy was growing steadily because of financial innovation. How would that affect the inflation rate? Explain. 6

Q.4 a) Give three explanations of why the real wage may remain above the level that equilibrates labour supply and labour demand. 10

b) Explain the Keynesian theory of Aggregate demand. Explain the differences between this theory and the classical theory of aggregate demand? 10

Q.5 An economy is initially described by the following equations:
\[ C = 500 + 0.75(Y - T) \]
\[ I = 1,000 - 50r \]
\[ \frac{M}{P} = Y - 200r \]
\[ G = 1000 \]
\[ T = 1000 \]
\[ M = 6,000 \]
\[ P = 2 \]

a) Derive and graph the IS curve and the LM curve. Calculate the equilibrium interest rate and level of income. Label that point A on your graph. 10

b) Suppose that a newly elected president cuts taxes by 20 percent. Assuming the money supply is held constant, what are the new equilibrium interest rate and level of income? What is the tax multiplier? 10
Q.6 Explain the relationship between the effectiveness of monetary policy and the interest elasticity of investment. Will monetary policy be more or less effective the higher the interest elasticity of investment demands? Explain the relationship between the effectiveness of fiscal policy and the interest elasticity of investment demand. Why do the two relationships differ?  

Q.7  
   b) Discuss the relation between Phillips curves and short run aggregate supply curve.  
   c) Why is long run Phillips curve vertical?  

End Semester Examination, May 2019  
M.A. (Applied Psychology) – Fourth Semester  
SOCIOCULTURAL CONTEXT OF MENTAL HEALTH (MAAP-341-4)  

Time: 3 Hours  
Max Marks: 50  
No. of pages: 1  
Note: Attempt FIVE questions in all. PART-B is compulsory. Attempt any FOUR questions from PART-A. All questions carry equal marks.  

PART-A  

Q.1 India is unique in terms of multi-cultural diversity. How has this impacted the concept of mental health in India?  

Q.2 Explain how schizophrenia may have a poorer prognosis in India as compared to developed countries.  

Q.3 Discuss how gender is experienced in the Indian sociocultural context in India.  

Q.4 Does a psychotherapist in India need to develop additional skills based on the demands of the Indian cultural context.  

Q.5 The diagnostic system in India is a cultural construction. Discuss.
Q.6 Discuss any one patient case in detail, which underlines the impact of the Indian sociocultural context on mental health. 10

PART-B

End Semester Examination, May 2019
B.A. / B.Sc. (Hons.) (Applied Psychology) – Fourth Semester
RESEARCH METHODOLOGY (BPSY-C-402)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt EIGHT questions in all; Q.1 is compulsory. Attempt any FIVE questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Answer the following:
 a) Semantic differential scale was given by?
 b) Define ‘chain sampling’.
 c) Arrange the following in descending order of researchers control:
   Lab experiment, Ex-post factor, Field experience.
 d) How many comparisons can be drawn from a seven (7) item attitude scale?
 e) What are the measures of dispersion?

Q.2 Describe the single case experimental design. 4
Q.3 Describe comparative sealing method. 4
Q.4 Elaborate upon inferential statistics. 4

PART-A
Q.5 Describe probability sampling with examples. 4
Q.6 Describe the various method of control extraneous variance. 4
Q.7 Explain ‘Relevance of statistics’ in research. 4

**PART-B**

Q.8 Critically examine the method of case study. 10
Q.9 What is research? Explain the objectives and types of research. 10
Q.10 Describe the method of thematic analysis. 10
Q.5 What do you mean by emotional catharsis? Explain some of the aids to emotional catharsis. 5

Q.6 What is autism? Explain the characteristic features of autism. 5

**PART-B**

Q.7 What is the difference between a normally aged brain and a brain of a person suffering from Alzheimer’s disease? Explain Alzheimer’s disease in depth. 10

Q.8 Prepare a presentation for parents about Piaget’s Stages of Cognitive development. 10

Q.9 Suppose you are working as a counselor in school. In a month, you receive multiple cases of eating disorders. Prepare a presentation on eating disorders for the adolescent students. Also, provide ways in which adolescents can develop a healthy self-image and a healthy relationship with food. 10

---

End Semester Examination, May 2019

B. Sc. / B. A. (Hons.) Applied Psychology – Sixth Semester

ABNORMAL PSYCHOLOGY (BPSY-C-602)

Time: 3 hrs.  
Max Marks: 50

Note: Attempt **FOUR questions in all; PART-A and PART-B are compulsory.** Attempt any **TWO questions from PART-C.** Marks are indicated against each question.

**PART-A**

Q.1 Write short notes on the following:
   a) State any two differences between ICD and DSM.
   b) Define abnormality.
   c) What is the difference between panic and phobia?
   d) According to DSM, name the mood disorders.
   e) Define ‘personality disorders’. 2×5

**PART-B**

Q.2 Answer the following short questions (attempt **any four** questions):
   a) Define mental disorders. Describe ICD and DSM as the classificatory systems of psychopathology.
   b) Define anxiety disorders. Mention the DSM-5 criteria of any two types of anxiety disorder.
   c) What is the criterion to diagnose mania?
d) Give the DSM-5 criteria of any two eating disorders.
e) Present a case study on schizophrenia.

**PART-C**

**Q.3** Mandira, a 30-year-old woman presents to your clinic stating that she is troubled by headaches and fatigue. She says that she always feels tired and can’t sleep well, often waking up early. She describes her headaches as dull, aching and generalized. These symptoms began about three weeks ago and have been getting worse. She reports a lack of interest in her usual activities. She also reports that she is missing work due to fatigue and inability to concentrate. She is facing excessive guilt as she is not able to give time to her husband and is having frequent crying spells. She reports not sleeping well and a loss of appetite, with a weight loss of 5 kgs in the last month. What diagnosis will you formulate for her? Elaborate on the DSM-5 criteria for the same. 10

**Q.4** Present a case study on a child with ADHD. 10

**Q.5** Present a case study on any two personality disorders. 10

---

**End Semester Examination, May 2019**

B.A. / B. Sc. (Hons.) Economics – Sixth Semester

**INDIAN ECONOMIC DEVELOPMENT AND POLICY (BAEH-C-601)**

Time: 3 hrs.  
Max Marks: 100

Note: Attempt **FIVE** questions in all; **PART-A** and **PART-B** are **compulsory**. Attempt any **THREE** questions from **PART-C**. Marks are indicated against each question.

**PART-A**

**Q.1** Briefly answer the following questions:

a) Differentiate between balance of trade and balance of payment.
b) Explain the meaning of HYV seeds.
c) Distinguish between MSP and procurement price.
d) What are the important components of agriculture marketing structure in India?
e) Differentiate between depreciation and devaluation of the currency.
f) Explain the meaning of disguised employment with the help of an example.
g) Explain the MDGs indicator of ratio of girls to boys in primary, secondary and tertiary education.
h) Distinguish between capability poverty and human poverty
i) How gender development index calculated?
j) Write a short note on “theory of demographic transition”. 2×10
Q.2 Answer the following short questions (attempt any four questions):
   a) “The relationship between population and economic development is two-sided
      relationship”. Explain this statement in the light of India.
   b) Write the structure of Niti Aayog. Also explain the role of Niti Aayog as think tank.
   c) Explain the role and importance of small-scale enterprises in Indian economy. Also
      mention the two causes of industrial sickness in India.
   d) What is human development index? Give its limitations as a measure of economic
      development and suggest improvement.
   e) Green revolution has increased the production level substantially. At the same time it
      has led to substantial increase in the “inter-regional and inter-personal inequalities”.
      Discuss in brief. 5×4

Q.3
   a) Explain the need and methods of consolidation of Land holding in Indian agriculture
      sector? 10
   b) What are the important components of agriculture marketing structure in India? 10

Q.4 Analyse India’s performance in meeting the millennium development goals:
   a) Eradicate extreme poverty and hunger.
   b) Achieve universal primary education.
   c) Reduce child poverty. 20

Q.5
   a) Give a detail account on the origin of Debt crisis in the world. 10
   b) Critically analyze the Global crisis of 2007-08 and its impact on the Indian economy. 10

Q.6
   a) Explain various type of Balance of Payment disequilibrium in the economy. Also
      states the measure to improve the adverse balance of payment situation. 10
   b) Draw the hypothetical balance of payment accounts which depicts that there is
      always balance at the end. 10

Q.7 There is an economy of 10 people. Three live in modern sector and earn ₹200/month.
   Rest live in traditional sector earning Rs. 100/month. One day, the two new modern
   sector jobs open up and two people from the traditional sector move to modern sector
   a) Show that the Lorenz curve of income distribution before and after the labour
      movement to modern sector. 10
   b) Calculate coefficient of variation and Gini coefficient for two distributions. Do they
      agree about changes in inequality? Why? 10
End Semester Examination, May 2019
BVA – Second Semester
OVERVIEW OF DIGITAL PRODUCTION (BVA-203)

Time: 3 hrs.  Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from Part A and TWO questions from Part B. Each question carries equal marks.

Q.1 Write short notes on (any four) of the following:
a) What is compression?
b) Color and sensitivity to light?
c) Picture controls?
d) Prime lenses?
e) Approaches to editing?
f) Post production workflow? 2x10

**PART-A**

Q.2 Write a detailed synopsis on the LENS. 20

Q.3 What is film camera? Explain all components in detail. 20

Q.4 Before you begin production? Explain all aspects in detail. 20

**PART-B**
Q.5  What is picture and dialogue editing? Explain in detail.  
Q.6  What is sound editing and mixing? Explain in detail citing software usage and components. 
Q.7  What is producing and distributing a movie? Explain in detail.
Q.6 Why do people help others? Substantiate your answers using examples.  

SECTION-C

Q.7 In certain cases our previously held beliefs and attitude is changed? Explain in detail how persuasion techniques work on people.  

Q.8 Our different thoughts and feelings are not only dependent on verbal expression but also on other forms of communication. Explain in detail the different types of nonverbal communication with relevant research.  

Q.9 What is social psychology? Explain its importance and relevance in Indian context with the help of research studies.  

Q.10 Most individuals care about what other think of them. Keeping this in mind explain how impressions are formed and managed.
e) The Holmes and Rahe stress scale.  

**PART-C**

Q.3 Create an action plan for stopping smoking using behavioral principles.  

Q.4 You have been invited to conduct a four hour workshop for first year students of engineering on the topic of stress management. Explain in detail any three stress management techniques that you would teach them.  

---

**End Semester Examination, May 2019**  
B.A. / B. Sc. (Hons.) Economics – Fourth Semester  
**RESEARCH METHODS (BAEH-C-402)**

Time: 3 hrs.  
Max Marks: 100  
No. of pages: 2  

Note: Attempt **FIVE** questions in all; **PART-A** and **PART-B** are **compulsory**. Attempt any **THREE** questions from **PART-C**. Marks are indicated against each question.

**PART-A**

Q.1 Answer the following questions:  
a) What is research? Explain its significance.  
b) What is review of literature?  
c) Discuss the various problems encountered by researchers in India.  
d) What is null hypothesis?  
e) What is citations and bibliography?  
f) What is experimental research design?  
g) Discuss the various sources of error in measurement?  
h) What is a variable?  
i) What is difference between reference and bibliography?  
j) Write a note on validity and reliability of instrument.  

**PART-B**

Q.2 Attempt **(any four)** of the following:  
a) What do you mean by research? Explain its significance in modern times.
b) How do you define a research problem? Give three examples to illustrate your answer.

c) What is research design? Is single research design suitable in all research studies? If not, why?

d) Are the following nominal, ordinal, interval or ratio data? Explain your answers.
   i) Temperatures measured on the Kelvin scale.
   ii) Military ranks.
   iii) Social security numbers.
   iv) Number of passengers on buses from Delhi to Mumbai.
   v) Code numbers given to the religion of persons attempting suicide.

e) Elaborate the structure of a report and its main constituents.

**PART-C**

Q.3 a) The diet drink manufacturer in the study finds that young women are more health conscious and are looking at low calories options. Thus, any communication or advertisement for the product has to emphasize the health aspect. The purchase probability is also influenced by their education level and the nature of their profession. Other factors such as available brands, celebrity endorsement and dieticians recommendations also have an impact on them.
   i) Identify your research problem and hypothesis
   ii) Identify and classify the variables under study
   iii) Is it possible to generate the theoretical framework for the study?  

b) Select a research problem, enlist the variables in the problem and formulate a theoretical framework to demonstrate the link between the variables under study.

Q.4 a) Birdichand Ghanshyamdas is a small jeweler from Jodhpur with limited resources. He is into the business of designing and selling traditional Rajasthani jewellery. He believes that having an exquisite and a mystically arranged display on the Palace on Wheels will suitably boost his sales. He also feels that foreigners rather than Indians would be influenced more. It is the month of September 2019 and by the end of the year, he wants to decide whether to go in for the display or not.
   i) What is the recommended research design? Justify your selection.
   ii) What would be the variables, hypothesis and the population under study?

b) How would you define a research design? What are the significant elements of research design? Illustrate with examples.

Q.5 a) What is a questionnaire? Can it be used in all situations? Why/why not? Support your answer with suitable examples?

b) Suppose you want to ascertain the amount of money students spends on online shopping. Assuming you want to ask just two questions, how would you phrase it in each of the following forms: open-ended, dichotomous, scale and multiple categories? In what ways would the type of data obtained through each other form differ?

Q.6 a) Discuss in detail the steps that a researchers needs to follow to formulate a good research report. Do the criteria become different for different kinds of reports? Explain with examples.

b) What should be the ideal structure of a research report? Discuss the precautions for writing the research reports.

Q.7 Write short notes on:
   a) Objectives of research design.
b) Criteria of good research.
c) Research method versus methodology.
d) Types of research.

End Semester Examination, May 2019
B.A. (Applied Psychology) – Second Semester
FORENSIC PSYCHOLOGY (BPSY-O-207)

Time: 3 hrs. Max Marks: 50
No. of pages: 1

Note: Attempt ALL questions in SECTION-A. Attempt any FOUR questions from SECTION-B. Attempt any TWO questions from SECTION-C. Marks are indicated against each question.

SECTION-A

Q.1 a) What is a Trophy?
   b) What is geographical mapping?
   c) What is Intimate Partner Violence?
   d) What is Police Psychology?
   e) What are the criteria for a homicide to be considered a serial murder? 2x5

SECTION-B

Answer (any four) of the following:

Q.2 Kim Rossmo gave several typologies of offenders based on their geographical profiling. Explain these typologies with examples. 5

Q.3 Explain the different theoretical perspectives on violence. 5

Q.4 What is stalking? What laws and help are available in India to help the victims? 5
Q.5  Who is a juvenile offender? What is the nature and extent of juvenile offending?  5
Q.6  Compare organized and disorganized crime scenes and give your views regarding their relevance.  5

SECTION-C

Answer (any two) of the following:

Q.7  What is forensic psychology? Discuss its scope and relevance in today’s date.  10
Q.8  Using recent cases as reference, explain how sexual violence has become a problem in the nation. Discuss the legal course available and add your recommendations for improvement.  10
Q.9  ‘Murder is a sin that is hard to forgive’. Despite its social ramifications and personal liabilities, homicides tend to be on the rise. Discuss using relevant examples why and how individuals would commit homicide.  10
Q.10  Prisoners are often at times seen as less than humans and it can be difficult for them to attain the same rights as others. Explain using examples all the legal rights available to prisoners.  10

End Semester Examination, May 2019
M.A. (Applied Psychology) – Fourth Semester
STRESS MANAGEMENT (MAAP-331)

Time: 3 Hours  Max Marks: 50
No. of pages: 1

Note: Attempt FIVE questions in all. PART-B is compulsory. Attempt any FOUR questions from PART-A. All questions carry equal marks.

PART-A

Q.1  Is stress always harmful? Discuss with reference to Hans Selye.  10
Q.2  Discuss the causes of work related stress and list the emotional and behavioral changes caused by it.  10
Q.3  Discuss the physiological response to stress.  10
Q.4  Create an action plan for weight loss using behavioral principles.  10
Q.5  With examples, explain the five categories of common stressors specifically associated with the female gender.  10

PART-B

Q.6  Explain the General Adaptation Syndrome with a diagram.  10
End Semester Examination, May 2019  
M.A. (Applied Psychology) – Fourth Semester  
STRESS MANAGEMENT (MAAP-331)

Time: 3 Hours  
Max Marks: 50  
No. of pages: 1  

Note: Attempt FIVE questions in all. PART-B is compulsory. Attempt any FOUR questions from PART-A. All questions carry equal marks.

PART-A

Q.1 Is stress always harmful? Discuss with reference to Hans Selye.  
Q.2 Discuss the causes of work related stress and list the emotional and behavioral changes caused by it.  
Q.3 Discuss the physiological response to stress.  
Q.4 Create an action plan for weight loss using behavioral principles.  
Q.5 With examples, explain the five categories of common stressors specifically associated with the female gender.  

PART-B

Q.6 Explain the General Adaptation Syndrome with a diagram.
End Semester Examination, May 2019  
MA / M.Sc. (Applied Psychology) – Second Semester  
APPROACHES TO COUNSELING (MPSY-C-206)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 2

Note: Attempt ALL questions in SECTION-A. Attempt any FOUR questions from SECTION-B. Attempt any TWO questions from SECTION–C. Marks are indicated against each question.

SECTION-A

Q.1 Short answer questions (not more than 2 lines):
   a) Define the electric approach to counseling.
   b) Define the term role cards with an example.
   c) Define the term relationship counseling.
   d) Define the term chakra with example.
   e) Define the term empty chair technique.  

SECTION-B

Write short answers on (any four) of the following:

Q.2 Meditation.  

Q.3 Present status of counseling in India.  

Q.4 Bowen’s system theory of relationship counseling.  

167/5
Q.5 Techniques of Drama Therapy.

Q.6 Interpret this Mandala.

Q.7 Explain Trauma Counseling in detail.

Q.8 Explain rational emotive behavior therapy with help of example?

Q.9 Elucidate any one type of relationship counseling in detail.

Q.10 What is directive approach to counseling? What are its limitations?
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Economics – Second Semester
QUANTITATIVE REASONING (BECO-G-206)

Time: 2 hrs.                                               Max Marks: 50
No. of pages: 5                                          No. of pages: 5

Note: All questions are compulsory. Each question has FOUR options. Fill the right option
in the answer table given below. Each question carries ONE mark. No negative
marking. Options filled in the answer table will be considered.

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
</tr>
</tbody>
</table>
Q.1 Arrange the words given below in a meaningful sequence.
1. Presentation
2. Recommendation
3. Arrival
4. Discussion
5. Introduction
i) 5, 3, 4, 1, 2  ii) 3, 5, 4, 2, 1
iii) 3, 5, 1, 4, 2  iv) 3, 5, 1, 4, 2

Q.2 In an election between two candidates, one got 55% of the total valid votes, 20% of
the votes were invalid. If the total number of votes was 7500, the number of valid votes
that the other candidate got, was:
i) 2500  ii) 2700
iii) 2900  iv) 3100

Q.3 In a row ‘A’ is in the 11th position from the left and ‘B’ is in the 10th position from the
right. If ‘A’ and ‘B’ interchange, then ‘A’ becomes 18th from the left. How many persons
are there in the row other than ‘A’ and ‘B’?
i) 26  ii) 25
iii) 24  iv) None of these

Q.4 In a group of six women there are four dancers, four vocal musicians, one actress and
three violinists. Girija and Vanaja are among the violinists while Jalaja and Shailaja do
not know how to play on the violin. Shailaja and Tanuja are among the dancers. Jalaja,
Vanaja, Shailaja and Tanuja are all vocal musicians and two of them are also violinists.
If Pooja is an actress, who among the following is certainly a dancer and a violinist?
i) Jalaja  ii) Pooja
iii) Shailaja  iv) Tanuja

Q.5 Given the statement: “Buses are the cause of more accidents than cars, and trucks
cause fewer accidents than buses”, which of the following conclusions can we draw?
i) There are more buses on the road than trucks.
ii) Car drivers are more careful than bus drivers
iii) Truck drivers are more skilled than either car or bus-drivers.
iv) None of these

Q.6 How many meaningful English words can be formed with the letters ESRO using each
letter only once in each word?
i) None  ii) One
iii) Two  iv) Three

Q.7 What should come next in the following letter sequence?
A A B A B C A B C D A B C D E A B C D
i) A  ii) E
iii) C  iv) B

Q.8 Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which
direction of Y, is P?
i) North  ii) South
iii) South-East  iv) None of these

Q.9 Dev, Kumar, Nilesh, Ankur and Pintu are standing facing to the North in a playground
such as given below:
1. Kumar is at 40 m to the right of Ankur.
2. Dev is at 60 m in the south of Kumar.
3. Nilesh is at a distance of 25 m in the west of Ankur.
4. Pintu is at a distance of 90 m in the North of Dev.
Which one is in the North-East of the person who is to the left of Kumar?
   i) Dev    ii) Nilesh
   iii) Ankur iv) Pintu

Q.10 A man pointing to a photograph says, “The lady in the photograph is my nephew’s maternal grandmother.” How is the lady in the photograph related to the man’s sister who has no other sister?
   i) Mother    ii) Cousin
   iii) Mother-in-law iv) Sister-in-law

Q.11 A woman introduces a man as the son of the brother of her mother. How is the man related to the woman?
   i) Son    ii) Nephew
   iii) Grandson iv) Uncle

Q.12 If Arun says, “Vimal’s mother is the only daughter of my mother”, how is Arum related to Ravi?
   i) Father    ii) Brother
   iii) Grandfather iv) None of these

Q.13 Pointing to a man in a photograph. Asha said, “His mother’s only daughter is my mother”. How is Asha related to that man?
   i) Wife    ii) Sister
   iii) Niece iv) Nephew

**Direction Q. 14 to Q. 20:** Read the following information carefully and answer the question given below it:

‘A+B’ means ‘A is the father of B; ‘A – B’ means ‘A is the wife of B; ‘A x B’ means ‘A is the brother of B; ‘A ÷ B’ means ‘A is the daughter of B’.

Q.14 If P ÷ R + S + Q, which of the following is true?
   i) P is the daughter of Q
   ii) Q is aunt of P.
   iii) P is the aunt of Q
   iv) P is the mother of Q.

Q.15 If P – R + Q, which of the following statement is true?
   i) P is the mother of Q.
   ii) Q is the daughter of P.
   iii) P is the aunt of Q.
   iv) P is the sister of Q.

Q.16 If P × R ÷ Q, which of the following is true?
   i) P is the uncle of Q.
   ii) P is the father of Q.
   iii) P is the brother of Q.
iv) P is the son of Q.

Q.17 If P × R − Q, which of the following is true?
   i) P is the brother-in-law of Q.
   ii) P is the brother of Q.
   iii) P is the uncle of Q.
   iv) P is the father of Q.

Q.18 If P + R ÷ Q, which of the following is true?
   i) P is the brother of Q.
   ii) P is the son of Q.
   iii) P is the husband of Q.
   iv) P is the father of Q.

Q.19 If P ÷ R + Q, which of the following is true?
   i) P is the father of Q.
   ii) P is the brother of Q.
   iii) P is the mother of Q.
   iv) P is the sister of Q.

Q.20 If P × R + Q, which of the following is true?
   i) P is the uncle of Q.
   ii) P is the father of Q.
   iii) P is the brother in law of Q.
   iv) P is the grandfather of Q.

Q.21 If in a code language, COULD is written as BNTKC and MARGIN is written as LZQFHM, how will MOULDING be written in that code?
   i) CHMFINTK
   ii) LNKTCHMF
   iii) LNTKCHMF
   iv) NITKHCMF
   v) None of these

Q.22 If FRAGRANCE is written as SBHSBODFG, how can IMPOSING be written?
   i) NQPTJHOJ
   ii) NQPTJOHI
   iii) NQTPJOHJ
   iv) NQPTJOHJ
   v) None of these

Q.23 There are five friends named as A, B, C, D and E all working in various shops as stationary shop, book store, grocery shop, hardware shop, sports goods shop. Also all like to play different games such as hockey, kabbadi, basketball, tennis and football. Consider the following statements and answer the questions.
   A does not like hockey
   B has a book store and likes to play football.
   C and D do not like tennis and C has grocery shop whereas D has hardware shop.
   E likes kabbadi and does not work in stationary shop.
   The person who likes hockey does not work in hardware shop.
   Who has stationary shop?
   i) A
   ii) C
   iii) B
   iv) E
   v) D

Q.24 A creative constructor has hired some workers from Kolkata. From those newly appointed workers if 10 men working 6 hours a day can do a work in 20 days. Then 8 men working 10
hours a day can do it in how many days?
i) 15  ii) 14  
iii) 17  iv) 18

Q.25 Riyaz and Saqlain are two workers and they work for GPR pumps and pipes. Riyaz is twice as good a workman as Saqlain and together Riyaz and Saqlain finish a piece of work in 20 days. In how many days will Riyaz alone finish the work?
i) 90  ii) 66  
iii) 30  iv) 29

Q.26 A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :
i) 1/4  ii) 1/10  
iii) 7/15  iv) 8/15

Q.27 A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for ₹3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
i) ₹375  ii) ₹400  
iii) ₹600  iv) ₹800

Q.28 Sam is shorter than Hannah. William is shorter than Michael who is shorter than Hannah. Hannah and William are shorter than Fiona. Who is the tallest?
i) Sam  ii) Hannah  
iii) William  iv) Fiona  
v) Cannot Say

Direction Q. 29 to Q. 31: Read the following information carefully and answer the question given below:
Group of girls’ gossip with each other. All are sitting surrounding a round table. The name of the girls are Shiksha, Radha, Chinu, Snigdha and Rani. It is not necessary that they are sitting in the order of the name as mentioned here. Radha is second to the right of Shiksha. Shiksha doesn’t sit with Chinu. Rani is second to the right of Radha. Radha sits near Snigdha.

Q.29 Who sits to the left of Shiksha?
i) Rani  ii) Radha  
iii) Chinu  iv) Snigdha

Q.30 If Radha and Snigdha change their places then who will be second to the left of Rani?
i) Radha  ii) Snigdha  
iii) Shiksha  iv) None of these

Q.31 How many girls are there in between Shiksha and Chinu if we count anti clockwise?
i) 1  ii) 2  
iii) 3  iv) None of these

Q.32 In each word of the following questions consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship. Silence : Noise
i) Quiet : Peace  
ii) Baldness : Hair
iii) Talk : Whisperm  
iv) Sing : Dance

Q.33  If the letters in PRABA are coded as 27595, and THILAK are coded as 368451, how can BHARATHI be coded?
i) 37536689  ii) 57686535  
iii) 96575368  iv) 96855368

Q.34  Five children were administered psychological tests to know their intellectual levels. In the report, psychologists pointed out that the child A is less intelligent than the child B. The child C is less intelligent than the child D. The child B is less intelligent than the child C and child A is more intelligent than the child E. Which child is the most intelligent?
i) A  ii) B  
iii) D  iv) E

Q.35  What number has a 5:1 ratio to the number 10?
i) 42  ii) 50  
iii) 55  iv) 62

Q.36  In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that code?
i) QDFHS  ii) SDFHS  
iii) SHFDQ  iv) UJHFS  
v) None of these

Directions Q. 37 to Q. 43:
A) If data in the statement I alone is sufficient to answer the question.  
B) If data in the statement II alone is sufficient to answer the question.  
C) If data either in the statement I alone or statement II alone are sufficient to answer the question.  
D) If data given in both I & II together are not sufficient to answer the question.  
E) If data in both statements I & II together are necessary to answer the question.

Q.37  What is the total number of students in IT in College Z?
I. The number of students has grown by 5% this year as compared to 4% last year from the no 1000 which it was year before last?
II. The respective ratio of boys and girls is 7:5

Q.38  Among the four friends P, Q, R and S who works for the most hours (each works for different no of hours? 
I. P works less than Q, S works less than both P and R  
II. R works less than Q but more than S, P works more than R but not the most.

Q.39  How is C related to A? 
I. A is the son of B, D is the husband of B.  
II. F is married to C, C has 2 children D and E. D is the father of A.

Q.40  How many students are there between Ram and Aditya a row of 40 students? 
I. Ram is 7th from the left end, Aditya is 17th from the right end.  
II. Ram is 6 places away from Jeni, who is 20th from the left end.

Q.41  Madan's flat is on which floor of 5 floor apartments? 
I. Harish flat, which is adjacent to Madan, is exactly below Karan's flat which is on fifth floor
II. Madan's flat is exactly above Gopal's flat, whose flat is exactly above Nitin's first floor flat.

Q.42 How many pencils does the shopkeeper sells on Sunday?
I. On Sunday he sold 12 more pencils than he sold the previous day.
II. He sold 28 pencils each on Thursday and Saturday.

Q.43 Who is taller among P, Q, R, S and T?
I. S is shorter than Q. P is shorter than only T.
II. Q is taller than only S. T is taller than P and R.

Q.44 If fenplac means filmy holiday, Placston means holiday beach, Stonrum means beach perform, Rumfen means perform filmy. Which word means holiday?
i) Plac
ii) Rum
iii) Ston
iv) Fen

Q.45 Five friends are seeing a movie together. X is sitting next to Y, P is sitting next to Q, Q is not with R who is on the left end. P is sitting two seats on the right. X is on the right side of Y and R. X and P are sitting together. What is the position of A?
i) Between Y and Q
ii) Between X and Y
iii) Between P and Q
iv) Between P and Y

Q.46 In each of the following questions find out the alternative which will replace the question mark.
123 : 132 :: 235 : ?
i) 232
ii) 352
iii) 253
iv) 252

Q.47 Two friends, Akash and Beenu had some candies each. One of them had 15 candies more than the other. The candies with Akash was 60% of the total candies with them. How many candies did each have?
i) 40, 25
ii) 47, 32
iii) 45, 30
iv) 49, 34

Q.48 If M = y% of z and B = z% of y, then which of the following must be true?
i) M is lesser than N.
ii) M is more than N
iii) Relation between M and N cannot be determined.
iv) None of these

Q.49 A Stationery seller had some Pens, Sharpeners, Erasers and Pencils. He sells 65% of the total units and still has 175 units. Originally, he had:
i) 588 units
ii) 400 units
iii) 272 units
iv) 500 units

Q.50 Choose the correct alternative that will same pattern and fill in the blank spaces: 1, 4, 9, 16, 25, X
i) 35
ii) 36
iii) 48
iv) 49
PART-A

Q.1 Cortically examine the difference between Eastern and Western ethical thinking paradigm. 10

Q.2 Describe the role of ethics in decision making and explain how individual ethical code of conduct influences decision making? 10

Q.3 “Ethics is the most important virtue for being a successful leader”. Examine the statement along with appropriate examples. 10

Q.4 Describe the professional values that are important for a psychotherapist. 10

Q.5 Define the term personal strength and elucidate the importance of personal strength in everyday life. 10

PART-B

Q.6 Describe the process of value inculcation in school going children and suggest appropriate measures for the same. 10
End Semester Examination, May 2019
BVA – Second Semester
ANIMATION OVERVIEW (BVA-204)

Time: 3 hrs. Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 is compulsory. Attempt any TWO questions from Part-A and TWO questions from Part-B. Each question carries equal marks.

Q.1 Write short notes on (any four) of the following:
   a) Three ways to Animate.
   b) Classic in-between mistake.
   c) Getting movement with the Mass.
   d) Skips and Jumps.
   e) Simple counteraction.
   f) Surprise anticipation.

   PART-A

Q.2 Explain EXTREMES and BREAKDOWNS with aid of drawings. 20
Q.3 What are RUNS, JUMPS and SKIPS in animation? Explain all components using drawings. 20
Q.4 What is WEIGHT in animation? Explain all components using drawings. 20

   PART-B

Q.5 What are TAKES and ACCENTS in ANIMATION? Explain all aspects using drawings. 20
Q.6 What is DIALOGUE in animation? Explain in detail using drawings. 20
Q.7 What is ANIMAL ACTION in animation? Explain all aspects using drawings. 20
End Semester Examination, May 2019
B.A. / B.Sc. (Applied Psychology) — Sixth Semester
INTRODUCTION TO PSYCHOTHERAPY (BPSY-D-604)

Time: 3 hrs.  
Max Marks: 50

No. of pages: 1

Note: Attempt THREE questions in all; PART-A and PART-B are compulsory. Attempt any ONE questions from PART-C. Marks are indicated against each question.

PART-A

Q.1 Answer the question in not more than two lines:
   a) List three important strategies for best ethical practice.
   b) What is informed consent?
   c) What is self-disclosure?
   d) What is counter transference?
   e) List three boundary issues during psychotherapy. 2×5

PART-B

Q.2 Write a short note on ANY FOUR of the following questions:
   a) The importance of rapport formation with the client.
   b) Explain cognitive distortions with reference to cognitive therapy.
   c) View of human nature as per gestalt therapy.
   d) Explain existential anxiety.
   e) Explain conditional positive regard as given by Carl Rogers. 5×4

PART-C

Q.7 Explain Alfred Adler’s approach to psychotherapy with an emphasis on his personal life influences. 20

Q.8 Explain Freud’s psychoanalytic therapy with a focus on its limitations. 20
End Semester Examination, May 2019
B.A. (Applied Psychology) - Fourth Semester
POSITIVE PSYCHOLOGY AND ITS APPLICATION (BPSY-C-403)

Time: 3 hrs.  Max Marks: 50
No. of pages: 1

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and any TWO questions from PART-B. Marks are indicated against each question.

Q.1  a) Define savoring
     b) What are positive emotions?
     c) What do you understand by life above zero?
     d) hat is Happiness? Discuss the different types of happiness.
     e) Using examples explain mindfulness.  2x5

PART-A
Q.2  Elucidate the role of optimism in well being of an individual.  5
Q.3  Explain the PERMA model using adequate examples.  5
Q.4  Using relevant researches explain what subjective well being means.  5
Q.5  Discuss the impact of media and social influence on body image in people.  5
Q.6  Evaluate and comment on your understanding of positive emotions and well being..  5
Q.7  How does self actualization play a role in positive psychology/  5

PART-B
Q.8  Many times people experience an absence of negative emotions, but also do not experience many positive emotions. Using relevant examples and researches explain what you understand by this state and what should be done to achieve a better state of well being.  10
Q.9  Critically analyze Martin Seligman’s contribution and ideology in establishing positive psychology. Comment on whether you think it has a place in today’s society.  10
Q.10 Humans are social beings and their lives are interplay with the relationships that they build with others. Elucidate on the effect of family relationships on an individual.  10
End Semester Examination, May 2019  
B.A./ B. Sc. (Hons.) Economics – Fourth Semester  
GOVERNMENT AND POLITICS IN INDIA (BAEH-G-405)

Time: 2 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt FIVE questions in all; PART-A is compulsory. Attempt ANY FOUR questions from PART-B. Marks are indicated against each question.

PART-A
Q.1 Answer the following questions:
   a) Explain the immunities of the governor.
   b) Write a short note on judicial functions of Gram Panchayat.
   c) Explain “August Declaration 1917”.
   d) Explain the role of chairman of the Rajya Sabha.
   e) State briefly the significance of preamble. 2×5

PART-B
Q.2 a) Discuss elaborately the provisions related to the right against exploitation. 5
   b) Examine the various directive principles as provided under the constitution of India. 5

Q.3 a) Explain the actual position of chief minister of a state by bringing in example of actions of the chief minister which shows that at the time he can assert himself with real powers. 6
   b) Discuss the composition and functions of high courts of states in India. 4

Q.4 Discuss the powers and functions of both the houses of the parliament and bring out their relation. 10

Q.5 a) Discuss the composition and function of national human rights commission. 5
   b) Provide a note on Lok Adalats in India. 5

Q.6 a) State briefly the legislative procedure for passage of money bill. 4
   b) Make a brief assessment of the legislative and emergency powers of the president of India. 6

Q.7 a) Discuss critically the centre-state legislative and financial relations. 6
   b) Write short note on Balwant Rai Mehta committee and L.M Singhvi committee. 4
End Semester Examination, May 2019
B.A. / B. Sc. (Hons.) Economics – Second Semester
MICRO ECONOMICS-II (BAECO-203)

Time: 3 hrs.  
Max Marks: 100
No. of pages: 1

Note: Attempt FIVE questions in all; Q.1 (Part-A) and Q.2 (Part-B) are compulsory. Attempt any THREE questions from Part-C. Marks are indicated against each question.

PART-A

Q.1 Briefly answer the following question (Attempt all):
   a) What is meant by interdependence in oligopoly?
   b) What are the main drawbacks of Sweezy’s kinked demand curve model?
   c) What really is meant by sales maximization?
   d) Define product market and factor market.
   e) What is the difference between VMP and MPP?
   f) What is meant by bargaining power of the trade union?
   g) What is a bliss point?
   h) Define social welfare function.
   i) Distinguish between partial equilibrium and general equilibrium.
   j) Define Morris’s model of managerial enterprise.

PART-B

Q.2 a) Is every Pareto-efficient allocation a competitive allocation also? Give reason in support of you answers.  
   b) State the first theorem of welfare economics.

PART-C

Q.3 Supply curve of skilled labour by on individual worker bends backwards at high wage rates while the supply curve steadily slopes upwards.” Explain in detail.

Q.4 State and explain the concept of a coumot’s equilibrium. Bring out precisely its difference from a profit—maximizing behaviour.

Q.5 In what respects does stackelberg’s model differ from those of Coumot and Bertrand?

Q.6 Consider the following prisoners dilemma game

<table>
<thead>
<tr>
<th>Pay of matrix</th>
<th>Prisoner B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Confess</td>
</tr>
<tr>
<td>Prisoner B</td>
<td>− 5, − 5</td>
</tr>
<tr>
<td></td>
<td>− 10, − 1</td>
</tr>
</tbody>
</table>

Explain why confess emerged out to be the Nash equilibrium even both were better off by not confessing?

Q.7 a) With the help of edge-worth box, show equilibrium is reader in consumption.
   b) State and establish walras’ law.
End Semester Examination, May 2019  
M.A. (Applied Psychology) - Second Semester  
PARADIGMS OF COUNSELING (MPSY-O-209)

Time: 3 hrs.  
Max Marks: 50  
No. of pages: 1

Note: Attempt all questions in SECTION-A. Attempt any FOUR questions from SECTION-B and any TWO questions from SECTION-C. Marks are indicated against each question.

SECTION-A

Q.1  
a) What is Helping?  
b) What is ‘noise’ in paraphrasing?  
c) What is a thematic summary?  
d) What are discrepancies?  
e) What is reflecting feeling?  
2x5

SECTION-B

Q.2 Discuss the Therapeutic Building Blocks involved in a helper-client situation.  
5

Q.3 Do you think that self-disclosure is an important part of therapy? Substantiate your answer using a case study.  
5

Q.4 What is transference between a helper and a client? How is this issue addressed?  
5

Q.5 Critically comment on the unique characteristics of a therapeutic relationship.  
5

Q.6 Mohini is trying to get some help for her habit of excessive gossiping. She has attended a few sessions and has talked excessively about her friends, family, issues, etc and her helper is finding it difficult to navigate through all the information. What reflecting skills would be useful for Mohini’s helper and why?  
5

Q.7 How can some become a reflecting practitioner? Discuss using examples.  
5

SECTION-C

Q.8 What is the role of non-verbal communication in a therapeutic relationship? Use examples to back your response.  
10

Q.9 When Limca was feeling low about her progress in therapy, her therapist reminded her how she was when she first started, what goals they had set and how far she had come. This helped Limca to stay on track and focus on her recovery. What did the therapist do here? Discuss its usage in a therapeutic relationship using a case study.  
10

Q.10 Rumali has been brought up in an abusive household but justifies here parent’s behavior as love and care. She still craves their attention but ends up getting rejected over and over again instead of seeing things as they are she justifies their behavior with excuses. How would you help Rumali in this situation?  
10

Q.11 With the helping of a case study explain how a client can reflect meaning? Is the inner-circle strategy useful in aligning their thought?  
10
Q.1 Briefly explain the following in not more than 50 words:

a) Dual mandate of British in terms of technological development in India.

b) "The Guarantee" in relation to railway development.

c) Deindustrialization in India under British rule.

d) Two factors that impacted the composition of Indian foreign trade in 19th century.

e) Factors that led tribal communities to emerge as a labor class under British rule.

f) Population growth stagnation under British rule.

g) Commercialization of agriculture.

h) Commons.

i) Ryotwari system.

j) Significance of opium trade to the British Rule.

Q.2

a) Critically examine the Zamindari System.

b) Compare its features with other land revenue systems existing during British rule in India?

c) Analyze its effect on peasant class and agriculture sector.

Q.3

a) Credit system is the backbone of any economy. Evaluate the performance of credit system developed under British rule.

b) Explain the role played by British rule in technological advancement in India.

Q.4 India's international trade had evolved over centuries. Trace these changes in terms of direction, pattern and composition of India's foreign trade since the beginning of 19th century.

Q.5

a) Agriculture sector witnessed stagnation under British India. Elaborate on the factors that led to such phenomenon.

b) Discuss the role played by commercialization process as stimulus for agricultural growth or cause of its slowdown.

Q.6

a) In what way did the railways affect the growth of the Indian economy?

b) Railways were developed in India primarily to serve colonial objectives and thus failed to play a transformative role. Comment on it.

Q.7 Critically analyze fiscal and government policy adopted by the government under British rule.
PART-A

Q.1 Answer the following questions:
   a) What is a histogram?
   b) What is an average?
   c) State the empirical relationship between mean, median and mode.
   d) Define normal distribution.
   e) Define probability.
   f) What is a random sample?
   g) What does covariance show?
   h) Find median of the given data: 17, 21, 18, 15, 11, 16
   i) What do you mean by equally likely events?
   j) Explain the purpose of tabular presentation of statistical data.

Q.2 a) Define statistics. Discuss its importance and limitations.
     b) Explain in brief the meaning of secondary data. State their sources.
     c) Distinguish between classification and tabulation. Describe the purpose, methods and importance of classification.

PART-C

Q.3 a) Represent the following frequency distribution by means of a histogram and superimpose thereon the corresponding frequency polygon and frequency curve:

<table>
<thead>
<tr>
<th>Salary (in ₹)</th>
<th>No. of employees</th>
<th>Salary (in ₹)</th>
<th>No. of employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 – 4000</td>
<td>20</td>
<td>7000 – 8000</td>
<td>115</td>
</tr>
<tr>
<td>4000 – 5000</td>
<td>30</td>
<td>8000 – 9000</td>
<td>100</td>
</tr>
<tr>
<td>5000 – 6000</td>
<td>60</td>
<td>9000 – 10000</td>
<td>60</td>
</tr>
<tr>
<td>6000 – 7000</td>
<td>75</td>
<td>10000 – 12000</td>
<td>40</td>
</tr>
</tbody>
</table>

b) Draw a histogram and frequency polygon from the following data:

<table>
<thead>
<tr>
<th>Marks</th>
<th>No. of students</th>
<th>Marks</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 10</td>
<td>4</td>
<td>50 – 60</td>
<td>14</td>
</tr>
<tr>
<td>10 – 20</td>
<td>6</td>
<td>60 – 70</td>
<td>8</td>
</tr>
<tr>
<td>20 – 40</td>
<td>14</td>
<td>70 – 90</td>
<td>16</td>
</tr>
<tr>
<td>40 – 50</td>
<td>16</td>
<td>90 – 100</td>
<td>5</td>
</tr>
</tbody>
</table>

Q.4 a) Calculate median for the following frequency distribution:

<table>
<thead>
<tr>
<th>Marks</th>
<th>No. of students</th>
<th>Marks</th>
<th>No. of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 – 50</td>
<td>10</td>
<td>20 – 25</td>
<td>31</td>
</tr>
<tr>
<td>40 – 45</td>
<td>15</td>
<td>15 – 20</td>
<td>24</td>
</tr>
<tr>
<td>35 – 40</td>
<td>26</td>
<td>10 – 15</td>
<td>15</td>
</tr>
<tr>
<td>30 – 35</td>
<td>30</td>
<td>5 – 10</td>
<td>7</td>
</tr>
<tr>
<td>25 – 30</td>
<td>42</td>
<td>0-5</td>
<td>0.2</td>
</tr>
</tbody>
</table>
b) Calculate the mean deviation and its coefficient of the two income groups of five and seven members given below:

<table>
<thead>
<tr>
<th>Group I</th>
<th>14,000</th>
<th>14,800</th>
<th>15,200</th>
<th>16,000</th>
<th>18,800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group II</td>
<td>15,500</td>
<td>16,000</td>
<td>16,200</td>
<td>17,000</td>
<td>17,500</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.5 a) The managing committee of Vaishalli Welfare Association formed a sub-committee of 5 persons to look into electricity problem profiles of the 5 persons are:
- Male age 40
- Male age 43
- Female age 38
- Female age 27
- Male age 65

If a chairperson has to be selected from this, what is the probability that he would be either female or over 30 years? 10

b) Define the term:
   i) Sample space and
   ii) Event 5×2

Q.6 The following data show the number of seeds germinating out of 10 on damp filter for 80 set of seeds. Fit a binomial distribution to this data:

<table>
<thead>
<tr>
<th>x:</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>y:</td>
<td>6</td>
<td>20</td>
<td>28</td>
<td>12</td>
<td>8</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Q.7 A sample of 3 items is selected at random from a box containing 12 items of which 3 are defective? Find the possible number of defective combinations of the said 3 selected items along with probability of defective combination. 20
End Semester Examination, May 2019
BA (Applied Psychology) – Sixth Semester
SPORTS PSYCHOLOGY (BPSY-C-601)

Time: 3 hrs.  Max Marks: 50

Note: Attempt SEVEN questions in all; Q.1 is compulsory. Attempt any FOUR questions from Part-A and TWO questions from Part-B. Marks are indicated against each question.

Q.1 Write short answers on the following questions:
   a) Introspection as a method used by sports psychologist.
   b) Homonegativism in female athletes.
   c) Intrinsic motivation in sports?
   d) Role of identity chart.
   e) Gambling as pathology.

   2×5

PART-A

Q.2 Discuss the importance of relaxation training. 5

Q.3 What causes athlete burnout? Briefly mention the symptoms and preventive steps related to it. 5

Q.4 Explain the models explaining sports injury and briefly discuss the interventions in this field. 5

Q.5 Discuss the pattern of eating disorders in athletes. 5

Q.6 ‘Self and identity are under researched in sports psychology field’ Comment. 5

PART-B

Q.7 Highlight the historical advances in the field of sports psychology since 18th Century. 10

Q.8 What do you understand by goal setting and goal orientation, as motivational strategies for athletes? 10

Q.9 What are the different kinds of anxiety disorders evident in athletes? Discuss the various psychological interventions related to it. 10

Q.10 What is the difference between professional ethics and ethics in practice? Discuss some ethical concerns in sports psychology. 10