

End Semester Examination, Dec. 2014
Bachelor of Architecture – First Semester
COMMUNICATION SKILLS (AR-109)

Time: 3 hrs
70

Max Marks:

No. of pages: 1

Note: Attempt **FOUR** questions in all; **PART-A is compulsory**. Attempt any **THREE** questions from **PART-B**.

PART-A

Q.1 Rewrite the following sentences so that the verbs will be in active voice:

- a) We are taught grammar by Ms Sullivan.
- b) He was praised by the teacher.
- c) The injured were taken to the hospital by the firemen.
- d) The town was destroyed by an earthquake.
- e) The teacher was pleased with the boy's work.
- f) The building was damaged by the fire.
- g) By whom were you taught French?
- h) You will be given a ticket by the manager.
- i) The streets were thronged with spectators.
- j) We will be blamed by everyone.

1x10

PART-B

Q.2 State and explain the difference between a seminar, a symposium and a conference.

20

Q.3 How do you prepare a construction project progress report?

20

Q.4 The table below gives information about the underground railway systems in six cities. Summarize the information by selecting and reporting the main features, and make comparisons where relevant. You should write at least 200 words.

Underground Railways Systems

City	Date Opened	Kilometers of Route	Passengers per Year (in millions)
London	1863	394	775
Paris	1900	199	1191
Tokyo	1927	155	1927
Washington DC	1976	126	144
Kyoto	1981	11	45
Los Angeles	2001	28	50

20

Q.5 Write an essay on the given topic in not less than 300 words.

"Can India become an economic super power till 2020?"

20

End Semester Examination, Dec. 2014
 Bachelor of Architecture - First Semester
STRUCTURAL DESIGN-I (AR-105)

Time: 3 hrs

Max Marks: **70**

No. of pages: 2

Note: Attempt **FOUR** questions in all; **PART-A** is **compulsory**. Attempt any **THREE** questions from **PART-B**.

PART-A

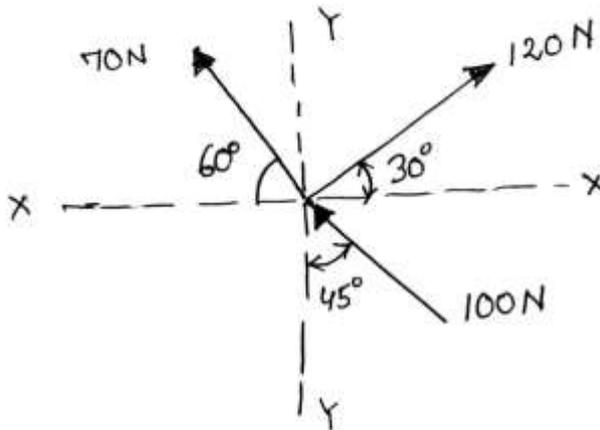
Q.1 Define the following:

- | | |
|-----------------------------------|---------------------------|
| a) Concentrated load | b) Uniformly varying load |
| c) Natural loads | d) Gravitational loads |
| e) Shear force | f) Moment of inertia |
| g) Roller support | h) Couple |
| i) Types of beam | j) Determinate structure |
| k) Compression and tension member | |

2x11

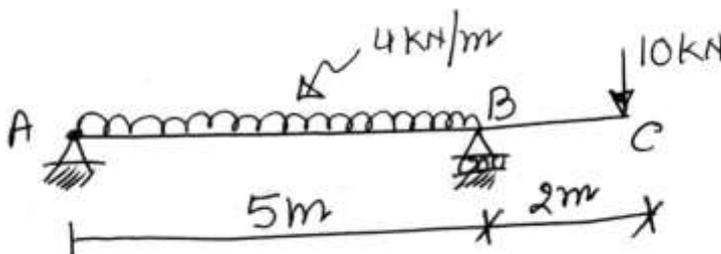
PART-B

- Q.2 a) Explain parallel force system with an example. **5**
 b) Find resultant of the following concurrent force system shown in the figure:



11

- Q.3 a) Explain different types of loads acting on the structure. **6**
 b) Find reactions of the beam shown in the figure.

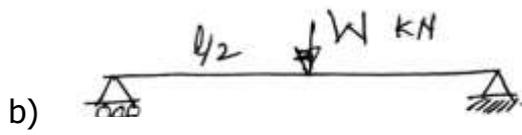


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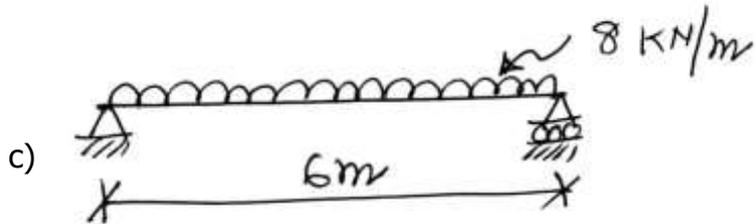
- Q.4 Find shear force and bending moment and draw SFD and BMD for the beam shown in the figure:



4

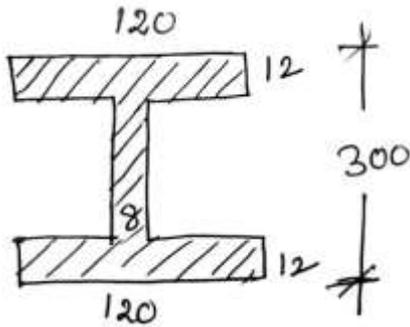


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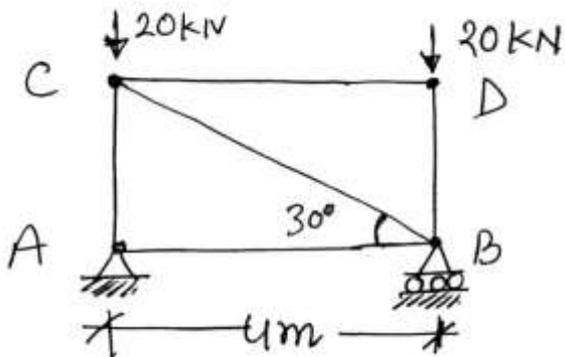
6

Q.5 a) Locate centre of gravity and find moment of inertia of area shown in the figure:



8

b) Find forces in the truss shown in the figure:



8

End Semester Examination, Dec. 2014
B. Sc. (Interior Design) - Fifth Semester
ESTIMATION AND PROFESSIONAL PRACTICE (351.501)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes on **any four**:

- a) Tender
- b) Actual cost
- c) Arbitrator
- d) Professional interior designer
- e) Residential design

2x4

PART-A

Q.2 Define detailed estimate. Write down the various items of work included in detailed estimate. **8**

Q.3 "Personal goals are key to success". How does it apply to a professional interior designer? Discuss in detail. **8**

Q.4 a) Differentiate between interior designer and interior decorator. **4**
b) How is architecture different from interior design? **4**

PART-B

Q.5 a) What is the need of arbitration in interior designing field? **4**
b) Explain the types of arbitration. **4**

Q.6 What are the basic promotional activities used in promoting business of interior design? **8**

Q.7 Discuss in detail **any two**:

- a) Contract
- b) Estimate
- c) Referrals

4x2

End Semester Examination, Dec. 2014
B. Sc. (Interior Design) – First Semester
ELEMENTS AND PRINCIPLES OF OUR ENVIRONMENT (351.104)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes (**any four**) with illustrations:

- a) Balance
- b) Texture
- c) Light
- d) Harmony
- e) Colour

2x4

PART-A

Q.2 What do you understand by elements of design? Draw any four forms. **8**

Q.3 Illustrate the four techniques to create illusion of space with the help of a sketch. **8**

Q.4 Define pattern. Sketch any four examples of visual texture in a square of size 5 cm x 5 cm. **8**

PART-B

Q.5 Fill in the blanks:

- a) _____ refers to the lightness or darkness of a color.
- b) _____ refers to the brightness or dullness of a color.
- c) The element that refers to the tactile qualities is _____.
- d) _____ may be real or simulated as in rubbings or drawn wood grain.
- e) _____ may be geometric or organic.
- f) The pure hue is at its brightest _____ right from the bottle.
- g) Rough is an example of _____.
- h) Line is _____.

1x8

Q.6 Explain emphasis in five points and draw an illustration. **8**

Q.7 Draw two examples of the following (**any two**):

- a) Rhythm
- b) Proportion
- c) Unity

4x2

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) – First Semester HISTORY OF FURNITURE-I (351.105)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Explain **any four** with suitable example:

- a) Klismos.
- b) Gilding
- c) Baroque
- d) HIEROGLYPHICS
- e) SOLIUM
- f) INLAY

2x4

PART-A

Q.2 EGYPT and its techniques have its own importance in HISTORY; especially in furniture. Discuss in detail famous characteristics of Egyptian civilization with a brief description about culture and draw a neat sketch. **8**

Q.3 Describe in detail about culture and major characteristics of GREEK CIVILISATION; with a neat furniture sketch. **8**

Q.4 Discuss in detail characteristics of BYZAN-TINE FURNITURE with appropriate examples. **8**

PART-B

Q.5 Discuss COLONIAL PERIOD in detail, describing its key characteristics. Draw a neat sketch of that ERA. **8**

Q.6 Discuss in detail RENISSANCE, describing major changes in the furniture making. Give a suitable example. **8**

Q.7 LOUIS-IV style introduced a new style of furniture. Discuss in detail its characteristics with suitable examples. **8**

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) – First Semester

COMMUNICATION-I (351.107)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write an essay on **any one** of the following:

- a) Interior designs as a career choice.
- b) Recent trends in interior design.
- c) My dream career.

8

PART-A

Q.2 Explain in detail the structure of an effective presentation. Also discuss the benefits of presentation. **8**

Q.3 What do you understand by the term effective communication? Also explain the process of communication in detail. **8**

Q.4 What are punctuation marks? Also explain what are the different types of punctuation marks in English. Explain with the help of examples. **8**

PART-B

Q.5 Why is listening important? Also discuss the barriers to effective listening. **8**

Q.6 Discuss the five communication styles in detail. **8**

Q.7 Describe the structure of a report by carefully detailing each section. **8**

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) – First Semester

MATERIALS AND FINISHES-I (351.108)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes on **any four**:

- a) Radiant heat flooring
- b) Plywood and veneer
- c) Tufting
- d) Fabric wall covering
- e) Air-drying seasoning method
- f) Hardwood and softwood

2x4

PART-A

Q.2 Describe the four layers of vinyl sheet with the help of a sketch.

8

Q.3 Discuss the following:

- a) Paint ingredients and types of paint.
- b) Environmental issues related to paints.

4x2

Q.4 Discuss the functions of cut-pile, loop-pile and cut and loop-pile carpet styles with the help of sketches.

8

PART-B

Q.5 List the properties of metal. Draw a diagram of the classification of ferrous metal.

8

Q.6 Discuss the functional use and characteristics of leather and suede.

8

Q.7 Discuss sustainable interior design with relevant examples.

8

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) - Second Semester

HISTORY OF FURNITURE-II (351.205)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes on **any two**:

- a) Marcel Breuer
- b) Art nouveau
- c) Thonet
- d) Biedermerier

4x2

PART-A

Q.2 Describe with a neat sketch the biography of **any two** furniture / cabinet makers from the following:

- a) Chippendale
- b) Adam brothers
- c) Hitch cock
- d) Shaker

4x2

Q.3 Differentiate between Hepple white and Chippendale's Chair design with a neat sketch.

8

Q.4 a) Comment on the golden age of English and European furniture. **4**
b) List out the various movements started in the Lake Victorian era and gothic period with a brief introduction. **4**

PART-B

Q.5 What do you understand by De Stijl movement? Explain any two famous designers work from the same movement. **8**

Q.6 Giving all the necessary details: sketch a furniture piece of your choice. **8**

Q.7 Explain the following and compare furniture features:

- a) Bauhaus school of design. **4**
- b) Glasgow school of design. **4**

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) - Second Semester MATERIAL AND FINISHES-II (351.209)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Define the terms **any four** with suitable examples:

- a) Fabric.
- b) Wall finishes.
- c) Knitting.
- d) Rugs.
- e) Twill weave.

2x4

PART-A

Q.2 Define knitting. Weaving is another technique used in textile, explain. Differentiate between weaving and knitting. **8**

Q.3 Define rugs and carpets. Describe its various types and applications with suitable examples. **8**

Q.4 Textile is an important part of interior design. Explain how can you use it in a design? **8**

PART-B

Q.5 Define leather and seude. Explain usage of leather with proper examples. **8**

Q.6 Describe WALL COVERING along with its various types. Also give suitable examples. **8**

Q.7 Explain the manufacturing process:

- a) Weaving.
- b) Leather.

4x2

End Semester Examination, Dec. 2014
B. Sc. (Interior Design) - Second Semester
GENERAL EDUCATION ELECTIVE (351.210)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes on **any two**:

- a) Effective communication.
- b) Debates and roleplays.
- c) Fundamentals of listening skills.
- d) Presentation.

4x2

PART-A

Q.2 What is pronunciation? Define pronunciation patterns.

8

Q.3 Answer the following:

- a) What are the fast reading techniques?
- b) Discuss the improvement in listening skills.

4

4

Q.4 a) What are the components of a body language?

4

b) Discuss the importance of a body language.

4

PART-B

Q.5 What do you mean by communication? Discuss barriers of communication.

8

Q.6 What essential points should be kept in mind during an interview?

8

Q.7 Write a memo to inform your team about a workshop of interior designers scheduled in the OBEROI HOTEL.

8

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) - Third Semester

PSYCHOLOGY (351.302)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Define the terms **any four**:

- a) Character
- b) Learning
- c) Memory
- d) Temperament
- e) Personality
- f) Attachment

2x4

PART-A

Q.2 Define the term psychology. Discuss its various fields and goals.

8

Q.3 Briefly discuss psycho-analysis and personality theory along with the name of the theorist.

8

Q.4 Describe **any two**:

- a) Classical conditioning
- b) Operant conditioning
- c) Reinforcement

4x2

PART-B

Q.5 Define intelligence and triarchic theory of intelligence in detail.

8

Q.6 What are psychological and mental disorders? Discuss briefly about various psychological and mental disorders.

8

Q.7 Describe characteristics of attachment briefly. Give an overview of developmental stages given by Erik Erikson.

8

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) - Third Semester

LIGHTING (351.305)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Define **any four** with suitable sketches:

- a) Luminaire.
- b) Task light.
- c) Ambient light.
- d) Direct-indirect light.
- e) Cove light.
- f) Fixture.

2x4

PART-A

Q.2 While choosing a light, certain considerations are kept in mind. Discuss those considerations and factors in detail. **8**

Q.3 Discuss various levels of lights with suitable examples. **8**

Q.4 How can various lights change the mood and atmosphere of a room? Discuss with neat sketches. **8**

PART-B

Q.5 Discuss types of lights with suitable examples in detail. **8**

Q.6 Suggest lighting with the help of some neat sketches for an outdoor garden. Depict the whole setting in a view. **8**

Q.7 Lighting is an important element of design. Can light be used conceal the defects and emphasis of certain parts of a room? If yes, support your answer with suitable examples. **8**

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) – Third Semester

MARKETING TECHNIQUES (351.307)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write notes on **any two**:

- a) Positioning
- b) Marketing Mix
- c) Financial plan

4x2

PART-A

Q.2 What is a 'Brand'? What are the various decisions associated with the branding? Explain how branding plays an important role in the formulation of marketing-mix and marketing strategy. **8**

Q.3 A marketer can rarely satisfy everyone in a market. Therefore, marketers start by dividing the market into segments. Discuss the concept of segmentation with suitable examples. **8**

Q.4 Most producers do not sell their goods directly to the final users. Between producers and final users, stand one or more marketing channels. Discuss the importance of channels of distribution. **8**

PART-B

Q.5 What do you understand by the term 'business environment'? Discuss the various micro environmental and macro environmental factors affecting a business environment. **8**

Q.6 Differentiate between the following:
a) Skimming pricing and penetration pricing.
b) Product concept and production concept. **4x2**

Q.7 Assume yourself as marketing manager of a paint company. Select an ideal target market for your company and explain how you would plan marketing strategies for the same. **8**

End Semester Examination, Dec. 2014

B. Sc. (Interior Design) – First Semester

COLOR IN DÉCOR (351.102)

Time: 3 hrs

Max Marks: **40**

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**. All questions carry equal marks.

Q.1 Write short notes on **any four**:

- a) Color as element of design.
- b) Color sensation.
- c) Difference between value and intensity of a color.
- d) Additive color mixing method.
- e) Color wheel.
- f) Complementary color scheme and a related contrast.

2x4

PART-A

- Q.2 Discuss the factors that leads color to have a psychological impact on people. **8**
- Q.3 Briefly describe triadic and double complementary color schemes. Draw two separate outline of a color wheel indicating each of the color schemes with proper labeling. **8**
- Q.4 What factors influence the way color schemes are used in planning an interior design? **8**

PART-A

- Q.5 Discuss briefly the color trends in any two recognized historical periods. **8**
- Q.6 Discuss various components to determine sustainability of paint product. **8**
- Q.7 Draw a composition with color use in context of any two principles of design. **8**