



**MANAV RACHNA
UNIVERSITY**

(FORMERLY MANAV RACHNA COLLEGE OF ENGINEERING
NAAC ACCREDITED 'A' GRADE INSTITUTION)

Declared as State Private University under section 2f of the UGC act, 1956

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

"T3 EXAMINATION MAY, 2018"

Semester: 6th	Date of Exam: 24/05/2018
Subject: Software Project Management	Subject Code: CSH-331T
Branch: CSE	Session: Morning
Course Type: Elective	Course Nature: Hard
Time: 3 Hours	Program: B.Tech.
Max.Marks: 80	Signature: HOD/Associate HOD:

Part A: All questions are compulsory in Part A.

Part B: Each question carries 15 marks. Answer any 2 questions in Part B.

Part C: Each question carries 15 marks. Answer any 2 questions in Part C.

PART A

1. Define each of the following in a single sentence: [2X5]
 - a. Resource
 - b. Monitoring
 - c. Control
 - d. Software Quality
 - e. Motivation
2. Fill in the blanks: [1X5]
 - a. A _____ schedule presents all the expenditures in a project.
 - b. An _____ schedule indicates the start and end dates for each activity in a project.
 - c. A _____ schedule indicates the dates when resources are needed.
 - d. A critical path is a path with each activity having a float value of _____.
 - e. Two types of contracts are _____ contract and _____ contract.
3. Give one word for the following: [1X5]
 - a. A person responsible for managing a software project.
 - b. A person responsible for managing a programme.
 - c. A contract between a seller and a customer where the seller agrees to sell products.
 - d. The type of quality which measures how well a software is designed.
 - e. The highest level of the Capability Maturity Model.

PART B

- Q3 a) Identify 5 factors to be considered while allocating resources to individuals and explain each briefly. [5]
- b) Explain the steps to create a resource schedule for a hospital management system. [10]
- Q4. Explain the project control cycle along with a diagram. [15]
- Q5 a) Identify and explain the three types of contracts for a software project. [6]
- b) List out and explain briefly the essential elements of a contract. [9]

PART C

- Q6 a) Explain the importance of software quality in a software project. [7]
- b) Differentiate between quality control and quality assurance. [8]
- Q7. Explain the ISO 9126 software product evaluation standard for software quality. Briefly explain each quality characteristic mentioned in the standard. [15]
- Q8. Explain the steps to create a Network Diagram in Project Libre. Use the following data to explain the steps and also show the diagram as created in ProjectLibre: [15]

Activity	Preceding activities	Time estimate (in weeks)
A	-	5
B	A	7
C	A	4
D	B	5
E	C	3
F	C	3
G	D, E	4
H	F, G	5
