

MCA
(SEM III) THEORY EXAMINATION 2022-23
SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours**Total Marks: 100****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief.** **2x10 = 20**
- a. What is technical project planning methodology?
 - b. What is meant by planning?
 - c. List out various software activities.
 - d. Differentiate between estimation and costing.
 - e. What is the aim of activity planning?
 - f. What is a Project Network Diagram?
 - g. What are controls in project management?
 - h. Define schedule variance.
 - i. What is the need of staffing in software project management?
 - j. Define the term decision making.

SECTION B

- 2. Attempt any three of the following:** **10x3 = 30**
- a. What are the phases in software development life cycle? Discuss them.
 - b. Discuss water fall model in detail.
 - c. What do you think would be the main factors regarding project scheduling? Discuss.
 - d. Write a short note on “balancing the control system.”
 - e. Discuss various components of staffing.

SECTION C

- 3. Attempt any one part of the following:** **10x1 = 10**
- a. Explain activities covered by software project management.
 - b. Explain the steps involved in to identify activity risks.
- 4. Attempt any one part of the following:** **10x1 = 10**
- a. Write short note on software prototyping.
 - b. What are various phases of rapid application development model? Discuss them.
- 5. Attempt any one part of the following:** **10x1 = 10**
- a. Analyze how project activities planning and scheduling is the first process group of project time management
 - b. Explain the tools used for the project review.
- 6. Attempt any one part of the following:** **10x1 = 10**
- a. Discuss the characteristics of a reporting system.
 - b. Why do we need Graphical Reporting Tools for reporting system? Discuss.
- 7. Attempt any one part of the following:** **10x1 = 10**
- a. Discuss various steps involved in staffing process.
 - b. Write short note on Oldham – Hackman job characteristic model.