USN | | | | | | | | | | **Course Code** | 2 | 3 | M | C | A | 4 | 1 | 3 |

Fourth Semester MCA Degree Examinations, September 2025
SOFTWARE PROJECT MANAGEMENT

Duration: 3 hrs   **Max. Marks: 100**

*Note: 1. Answer any **FIVE** full questions, choosing **ONE** full question from each module.*
*   2. Missing data, if any, may be suitably assumed*

Q. No	*Question*	*Marks*	*(RBTL:CO: PI)*
	MODULE – 1		
1. a.	Explain the concept of a software project and describe the key elements of software project management.	**10**	**(2:1:1.4.1)**
b.	Categorize a given list of software projects into appropriate types and explain the rationale for each classification.	**10**	**(3:1:3.6.2)**
	(OR)		
2. a.	Compare traditional and modern project management practices by highlighting their key differences.	**10**	**(2:1:2.6.4)**
b.	Analyze a failed software project and apply the concept of project success and failure to suggest improvement strategies.	**10**	**(3:1:3.6.2)**
	MODULE – 2		
3. a.	Explain the importance of evaluating individual software projects in project management.	**10**	**(2:2:1.4.1)**
b.	Summarize the key steps involved in risk evaluation during project assessment.	**10**	**(3:2:2.6.4)**
	(OR)		
4. a.	Describe the various cost-benefit evaluation techniques used in software project planning.	**10**	**(2:3:1.4.1)**
b.	Outline the basic principles and standards used in financial accounting.	**10**	**(3:2:3.6.2)**
	MODULE – 3		
5. a.	Explain the key objectives of activity planning in project management.	**10**	**(2:2:2.6.4)**
b.	Analyze how shortening project duration can affect overall scheduling and resource allocation.	**10**	**(3:3:3.6.2)**
	(OR)		
6. a.	Describe the significance of identifying the critical path in a network planning model.	**10**	**(2:3:3.6.2)**
b.	Apply a risk identification technique to a hypothetical project and list possible risks across different categories.	**10**	**(3:3:1.4.1)**

Note: (**RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI - Performance Indicator**)

MODULE – 4

7.	**a.**	Describe the purpose of creating a project monitoring and control framework.	**10**	**(2:4:2.6.4)**
	b.	Apply Earned Value Analysis to assess the progress of a software development project.	**10**	**(3:4:1.4.1)**

(OR)

8.	**a.**	Explain the concept of collecting data with a weekly timesheet and progress review form.	**10**	**(2:4:3.6.2)**
	b.	Construct a change control process for a mid-scale software project and describe how it manages scope creep.	**10**	**(3:4:3.6.2)**

MODULE – 5

9.	**a.**	Define stress in a workplace and explain its impact on productivity and health.	**10**	**(2:5:1.4.1)**
	b.	Discuss the different leadership styles and their impact on team performance.	**10**	**(3:5:2.6.2)**

(OR)

10.	**a.**	Explain decision making along with its categories in detail.	**10**	**(2:5:2.6.1)**
	b.	Apply the principles of job-role alignment to suggest a suitable candidate for a software project manager role, considering technical and behavioural attributes. Justify your selection.	**10**	**(3:5:1.4.1)**

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Note: (**RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI - Performance Indicator**)