Roll No: [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

MCA
(SEM III) THEORY EXAMINATION 2024-25
SOFTWARE PROJECT MANAGEMENT

TIME: 3 HRS   **M.MARKS: 100**

Note: Attempt all Sections. In case of any missing data; choose suitably.

SECTION A

1.   Attempt all questions in brief.   2 x 10 = 20

Q no.	Question	CO	Level
a.	Define project?	1	K3
b.	What are the activities covered by SPM?	1	K3
c.	What do you meant by cash flow forecasting?	2	K3
d.	What do you meant by cost-evaluation techniques?	2	K3
e.	What is dangle in an activity network	3	K4,K5
f.	What is the significance of a Critical Path Method?	3	K4,K5
g.	What is meant by setting checkpoints?	4	K6
h.	Mention the advantages of function point analysis.	4	K6
i.	What is masslow's hierarchy needs?	5	K2,K4
j.	Mention the important causes of stress encountered in projects.	5	K2,K4

SECTION B

2.   Attempt any three of the following: 10 x 3 = 30

a.	What is the difference between Information systems and embedded systems?	1	K3
b.	Explain how project can be evaluated against strategic, technical and economic criteria.	2	K3
c.	Explain various steps involved & the objectives of activity planning in detail	3	K4,K5
d.	What are the advantages & disadvantages of fixed price contracts?	4	K6
e.	Explain in detail about decision making. With an example the strength of the team	5	K2,K4

SECTION C

3.   Attempt any one part of the following: 10 x 1 = 10

a.	Discuss the cash flows techniques in project development.	1	K3
b.	Explain in detail, the various issues to be addressed in evaluating the risks 26 before deciding to take up a project	2	K3

4.   Attempt any one part of the following: 10 x 1 = 10

a.	Explain Network planning model. Also explain with an example how critical path can be identified in precedence networks.	3	K4,K5
b.	Explain how to delayed projects can be brought back on track.	4	K6

5.   Attempt any one part of the following: 10 x 1 = 10

a.	Discuss the Maslow's hierarchy of needs with an example.	5	K2,K4
b.	Explain the various activities to be performed in "Analyzing the project characteristics".	1	K3

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6.	**Attempt any *one* part of the following:**	10 x 1 = 10	
a.	Explain in detail, how cost-benefit evaluation techniques can be used to choose the best among competing project proposals.	2	K3
b.	What are called "Activity on arrow networks"? Explain the rules and conventions used in drawing Activity on arrow networks.	3	K4,K5

7.	**Attempt any *one* part of the following:**	10 x 1 = 10	
a.	Explain Controlling changes to a project requirement.	4	K6
b.	Write short notes on Team Structure and Virtual Team in a Software Project.	5	K2,K4