



K18P 0695

Reg. No. :

Name :

**Sixth Semester M.C.A. Degree (Regular/Supplementary/Improvement)
Examination, July 2018
(2014 Admn. Onwards)**

MCA6 E24 (Elective – VI) : SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours

Max. Marks : 80

Instructions : Section – A : Answer **any ten** questions. **Each** question carries 3 marks.
Section – B : Answer **all** questions. **Each** question carries 10 marks.

SECTION – A

Answer **any 10** questions, **each** question carries 3 marks.

1. Write a note on project constraints.
2. List the objectives of Software Project Management (SPM).
3. List the common problems with software projects.
4. Explain the objectives of software project planning.
5. Explain the elements of project plan.
6. What are the applications of WBS ?
7. Compare and contrast PERT and CPM.
8. Write a note on Gantt Charts.
9. Write a note on Error tracking.
10. Write a note on software review.
11. Write a note on Risk analysis.
12. Write a note on software quality attributes.

(3×10=30)

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K18P 0695



SECTION – B

Answer **all** questions. **Each** question carries **10** marks.

13. a) Define software project and explain in detail software project management activities. 10

OR

b) Explain factors in designing a project structure. 5

c) Explain different types of project organization structures. 5

14. a) Explain different types of Work Breakdown Structure (WBS) and methods of representing WBS. 10

OR

b) Explain steps to a well defined project plan. 5

c) Explain different types of project plan. 5

15. a) Define project schedule and list scheduling objectives. 5

b) Explain how to develop a project schedule. 5

OR

c) Define software project estimation and explain different estimation techniques. 10

16. a) Explain the following : 10

i) Cost Variance (CV)

ii) Cost Performance Index (CPI)

iii) Schedule Performance Index (SPI).

OR

b) Define software review and explain its types. 10

17. a) Explain in detail activities of software quality management. 10

OR

b) Define risks and explain different risk types. 5

c) Explain Risk Breakdown Structure (RBS). 5

(10×5=50)