K25P 2154

Reg. No. : ....

Name : ....

Fourth Semester M.C.A. Degree (CBSS – Reg./Supple./Imp.)
Examination, May 2025
(2021 Admission Onwards)
STREAM6 : SOFTWARE ENGINEERING
MCA4E03 : Software Project Management

Time : 3 Hours

Max. Marks : 60

SECTION – A

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

1. What are the characteristics of a software project ?

2. List the software project constraints.

3. What is the importance of project plan ?

4. What is WBS ? List its types.

5. What is activity planning ?

6. What is need of milestone chart ?

7. Compare CV and SV.

8. What are the advantages of Pair Programming ?

9. What is Risk analysis ?

10. Differentiate Quality Assurance and Quality Control.

(10×2=20)

P.T.O.

SECTION – B

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

11. a) Explain in detail about the project enabling process and project facilitating process.

OR

b) Define SPM. Explain the Project Management Cycle.

12. a) Write and explain the structure of a Software Project Management Plan.

OR

b) Explain in detail about the methods of representing Work Breakdown Structure.

13. a) What are the objectives of project schedule ? How to build the project schedule ?

OR

b) Explain the network diagrams PERT and CPM with neat illustration.

14. a) What is Earned Value Analysis ? Explain any two Earned Value Indicators.

OR

b) Explain in detail about the types of Software Reviews.

15. a) List and explain the Software Quality Attributes and indicators.

OR

b) Discuss briefly about Risk Breakdown Structure (RBS). (5×8=40)