

Third Year First Semester MCA Examination  
**SOFTWARE PROJECT MANAGEMENT**

Paper – 5 MCA 2

P. Pages : 2

Time : Three Hours ]

[ Max. Marks : 80

---

**Note :** (1) Illustrate your answer wherever necessary with the help of neat sketches.  
(2) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) State and explain myth regarding software. 6
- (b) How should we define software ? Explain different types of software. 7

**OR**

2. (a) Explain evolutionary software model. 7
  - (b) Explain waterfall model of software development. 6
3. (a) What is software risk ? Explain its types. How to identify software risk ? 7
  - (b) Explain the size-oriented metrics. 6

**OR**

4. (a) Explain defect removal efficiency. 6
  - (b) Explain software scope and feasibility. 7
5. (a) Explain formal technical review. 7
  - (b) Explain software quality assurance. 7

**OR**

6. (a) Write and explain guidelines for software review (any seven). 7
- (b) What are the basic principles that guide software project scheduling ? 7

7. (a) Explain system modeling. 7  
(b) Explain Requirement engineering function. 7

OR

8. (a) What are the design principles for software design ? 7  
(b) Explain the following terms :—  
(i) Risk mitigation.  
(ii) Monitoring and management. 7

9. (a) Explain structured programming. 6  
(b) Explain golden rule. How is it used for user interface design ? 7

OR

10. (a) What is a software architecture ? Explain different software architecture styles. 6  
(b) Explain data design in S/W engineering. 7

11. (a) Explain black box testing and white box testing. 7  
(b) Explain verification and validation. 6

OR

12. (a) Explain integration testing. 7  
(b) Explain in short software debugging process. 6

