

PMM/KS/15 - 7094

**Sixth Semester B. E. (Comp. Tech.)
(C. B. S.) Examination**

**SOFTWARE ENGINEERING AND PROJECT
MANAGEMENT**

Time : Three Hours]

[Max. Marks : 80

- N. B. :** (1) All questions carry marks as indicated.
(2) Solve Question 1 OR Question No. 2.
(3) Solve Question 3 OR Question No. 4.
(4) Solve Question 5 OR Question No. 6.
(5) Solve Question 7 OR Question No. 8.
(6) Solve Question 9 OR Question No. 10.
(7) Solve Question 11 OR Question No. 12.
(8) Due credit will be given to neatness and adequate dimensions.
(9) Assume suitable data wherever necessary.
(10) Illustrate your answers wherever necessary with the help of neat sketches.

1. (a) Explain generic view of Software Engineering. 6
(b) Explain software engineering - A layered Technology. 7

OR

2. (a) Explain prototyping model of software development. State its advantages and drawbacks. 7
(b) What is an Agile process ? What are different methods of Agile ? State its Principles. 6

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Contd.

3. (a) What is FAST ? Explain in detail. 7
(b) Explain system engineering hierarchy in detail. 6

OR

4. (a) Explain business process engineering in detail. 6
(b) What is SRS ? Explain it in detail. 7

5. (a) Explain Data Flow diagram in detail. Give the extension suggested by Ward and Mellor. 8
(b) Explain behavioural model in detail. 6

OR

6. (a) Explain design principles in detail. 10
(b) Write a note on Modularity. 4

7. (a) Explain basic path testing methods in detail. 8
(b) Explain control testing methods in detail. 5

OR

8. (a) Explain different testing strategies in detail. 8
(b) Write a note on version control. 5

9. (a) What is LOC ? Why LOC is not universally accepted as a standard metric ? 7
(b) Explain Function Point metric. State its advantages and drawbacks. 7

OR

10. (a) Write a note on software quality assurance. 7
(b) Explain McCall's quality factors. 7
11. (a) Write a note on project scheduling. 7
(b) Write a note on process change management. 6

OR

12. (a) What is RISK ? Explain Risk Projection. 7
(b) What do you mean by Software Engineering ?
Explain it in brief. 6

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