

**Faculty of Engineering & Technology**

**Sixth Semester B.E. (Com. Sci. Engg.)**

**(C.B.S.) Examination**

**SOFTWARE ENGINEERING & PROJECT  
MANAGEMENT**

Time : Three Hours]

[Maximum Marks : 80

**INSTRUCTIONS TO CANDIDATES**

- (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 common process framework for Software Engineering in detail. 7

(b) Explain various software characteristics in detail. 6

**OR**

2. (a) Explain spiral model of s/w development. State its advantages and drawbacks. 7

(b) Explain Unified Process Model for developing the software. 6

3. (a) What is FAST ? Explain in detail. 7

(b) Explain the components of computer based system. 6

**OR**

4. (a) Explain Business Process Engineering in detail. 7

(b) Explain in detail about SRS and its contents. 6

5. (a) Explain the components of analysis modelling. 8

(b) Explain the Behavioural model in detail. 6

**OR**

6. (a) Give and explain ten design principles in detail. 10
- (b) Write a note on modularity. 4
7. (a) Explain basis path testing methods in detail. 8
- (b) Explain control testing methods in detail. 5

**OR**

8. (a) Explain differentiation testing strategies in detail. 8
- (b) Write a note on Validation Testing. 5
9. (a) Explain process metric in detail. 8
- (b) Explain Function point metric. State its advantages and disadvantages. 6

**OR**

10. (a) Write a note on Quality Function deployment. 6
- (b) Explain McCall's quality factors. 8
11. (a) Write a note on project scheduling. 7
- (b) Write a note on change management. 6

**OR**

12. (a) Explain Risk mitigation, monitoring and management. 6
- (b) Write a note on Reengineering. 7