

Third Semester M. Sc. (Part-II) (CBCS Pattern)
Examination

COMPUTER SOFTWARE

Paper - IX
Software Engineering

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Illustrate your answers with the help of neat sketches wherever necessary.
(2) Assume suitable data wherever necessary.
(3) Figures to the right indicate full marks.

1. (a) Describe the Rapid Application Development model. 8
- (b) What is project management ? Explain its components. 8

OR

2. (a) Explain the Spiral Model for software development. 8
- (b) Explain the Software Process Framework. Describe various umbrella activities. 8

3. (a) Explain :—

(i) Risk identification.

(ii) Risk refinement.

8

(b) Explain the RMMM Plan.

8

OR

4. (a) What are resources ? Explain various resources needed for software development.

8

(b) Define : Project Plan. Describe the objectives of project planning.

8

5. (a) What is System Modeling ? Explain.

8

(b) Describe various tasks involved in requirements engineering.

8

OR

6. (a) What is Software Specification ? Explain.

8

(b) Explain the Software Configuration Management Process.

8

7. (a) What are the goals of user interface design ? Explain.

8

(b) Explain the concepts of cardinality and modality.

8

OR

8. (a) Explain the various principles used in data design.

8

(b) Explain components of effective modular design.

8

9. (a) Explain types of testing. State the difference between them.

8

(b) What is software testing ? Explain the tools used for testing.

8

OR

10. (a) Explain system testing and validation testing.

8

(b) What is verification ? How does it differ from validation ?

8

