

13/3/20

Sem IV  
Software Engineering  
MARKS: 75

TIME: 2 ½ HOURS

N.B: ALL QUESTIONS ARE COMPUSORY  
FIGURES TO THE RIGHT INDICATE FULL MARKS.

**Q.1 ANSWER THE FOLLOWING (ANY THREE):**

15

- A) Explain the software waterfall model
- B) Describe system requirements
- C) Describe software process and project
- D) Describe prototyping model
- E) Describe RAD model
- F) Describe Agile project management



**Q.2 ANSWER THE FOLLOWING (ANY THREE):**

15

- A) Describe the emergent system
- B) Describe legacy system
- C) Describe reliability management
- D) Describe the safety of a system
- E) Describe the requirement validation
- F) Describe data model

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**Q.3 WRITE SHORT NOTES ON THE FOLLOWING (ANY THREE):**

15

- A) Modular decomposition styles
- B) Control styles
- C) Interface evaluation
- D) Software Project management
- E) Quality control
- F) Measurement and metrics

**Q.4 WRITE SHORT NOTES ON THE FOLLOWING (ANY THREE):**

15

- A) Software inspections
- B) Test automation
- C) Size oriented metrics
- D) Algorithm cost modeling
- E) Project estimation technique
- F) Project staffing

**Q.5 WRITE SHORT NOTES ON THE FOLLOWING (ANY THREE):**

15

- A) Process and product measurement
- B) Software development with services
- C) Software reuse landscape
- D) COTS
- E) Client server computing
- F) Architecture of distributed system