

11/06/2025 TE IT SEM-V C-SCHEME SE QP CODE : 10087902

(3 Hours)

[Total: 80 Marks]

NOTE: (1) Question number 1 is compulsory.
(2) Attempt any three questions from the remaining.
(3) Assume suitable data wherever necessary.

- Q1. Solve any Four out of Six.(Each question carries 5 marks) (20)
- (a) Explain the attributes of software and layered structure of software Engineering?
 - (b) Explain CMM Model in software development?
 - (C) Explain the User- interface design Principles?
 - (d) Explain 3 P's in software Project spectrum?
 - (e) Write a short note on Function point Estimation Technique?
 - (f) Explain importance of WBS in software Engineering with example?
- Q2 (a) Explain about different types of software Prototypes? Discuss Prototype Model in detail? (10)
- (b) Explain Characteristics of SRS? Also discuss general Format of Software requirement specification? (10)
- Q3. (a) Explain Analysis Model elements? Draw class diagram and Swim lane diagram for online Food ordering System? (10)
- (b). Explain the Design Principles and Concepts? Also explain difference between coupling and cohesion? (10)
- Q4.(a). Explain about COCOMO II Model with example? (10)
- (b). Explain the steps of Software quality assurance plan? (10)
- Q5.(a) Explain about CPM and PERT Project scheduling technique in detail? (10)
- (b). Explain steps of change control process in SCM in detail? (10)
- Q6. (a). Write a note on Software Re-engineering and different types of software maintenance? (10)
- (b). Write a note on Alpha Beta and White Box Testing? (10)
