

(3 Hours)

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

(20)

Q1. Solve any Four out of Six.(Each question carries 5 marks)

- (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)
