

Time: 3 Hours

Marks: 80

Note:- 1. Q1 is compulsory.

2. Solve any 3 question from remaining questions.

Q1 Attempt any 4

- a) Define software engineering. Explain umbrella activities of software engineering. (5)
 - b) List out Requirement models. Explain any one of them. (5)
 - c) What is cost estimation? Explain LOC method. (5)
 - d) Illustrate design Principles. (5)
 - e) Explain Walkthrough. (5)
 - f) Differentiate between White Box and Black Box Testing. (5)
- Q 2 a) Discuss different categories of risk that help to define impact values in a risk table. (10)
- b) Explain software reverse engineering in detail. (10)
- Q3 a) Explain cyclomatic complexity. How is it computed? (10)
- b) What are the different testing types? Explain glass path testing in detail. (10)
- Q4 a) Elaborate COCOMO method of cost estimation. (10)
- b) What is FTR? Explain review guidelines considered during FTR. (10)
- Q5a) What is maintenance? Explain the steps for creating the maintenance log. (10)
- b) What are Agile methodologies? Explain any one of them. (10)
- Q6 a). Explain Coupling and Cohesion? Explain the types of cohesion with example. (10)
- b) Illustrate SCM Process. (10)
