

Code: CS7T5A

**IV B.Tech - I Semester – Regular / Supplementary Examinations
JANUARY – 2022**

**SOFTWARE ENGINEERING
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) List the importance of good design.
- b) What is software Write its characteristics?
- c) Write short notes on generic process model.
- d) Distinguish between software process and project.
- e) What is requirement elicitation?
- f) List the design concepts.
- g) Draw class Based Model for Library system.
- h) Explain black box testing.
- i) Give the objectives and guidelines for debugging.
- j) Write about Risk identification.
- k) Distinguish between Reactive vs. proactive Risk strategies.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) What is a myth? Give a focus on various software myths regarding Management and Practitioner. 8 M
- b) What are the advantages of iterative development? Compare iterative development with Incremental delivery approach. 8 M
3. a) What are the goals of Requirement Engineering? What are the tasks performed in requirement engineering? 8 M
- b) Discuss the components of a Software Requirement Specification document. 8 M
4. a) Explain about conducting component level design. 8 M
- b) Analyze and write short notes on Architectural design methodologies. 8 M
5. What is testing? Explain the different levels of testing. 16 M
6. a) List and explain the various software quality factors. 8 M
- b) What is Risk projection, Risk refinement? Explain in detail. 8 M