

III B. Tech I Semester Regular Examinations, Dec/Jan – 2022-23
SOFTWARE ENGINEERING

(Common to CSE (CS),CS)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**

All Questions Carry Equal Marks

UNIT-I

1. a) Explain various software myths. [7M]
b) What is software process? What is need of software process improvement? Explain capability maturity models. [7M]

(OR)

2. a) Explain about Unified Software Process in detail. [7M]
b) What is software engineering and Discuss software engineering-a layered technology? [7M]

UNIT-II

3. a) How to perform the process of requirement analysis and negotiation? Explain requirement specification. [7M]
b) Explain various XP values. [7M]

(OR)

4. a) Distinguish functional and non-functional requirements. [7M]
b) What is requirement validation? Explain in brief. [7M]

UNIT-III

5. a) Explain various patterns used for architectural design. [7M]
b) What do you mean by design? Explain any one design model in detail. [7M]

(OR)

6. a) Explain Requirements Modeling Approaches. [7M]
b) Discusses with domain analysis. [7M]

UNIT-IV

7. a) Explain architectural designs with an example. [7M]
b) Explain briefly software architecture style and architecture pattern. [7M]

(OR)

8. a) Explain in detail about the Design Model. [7M]
b) Explain client-server architecture with example. [7M]

UNIT-V

9. a) Explain strategic approach for Software Testing. [7M]
b) Explain Validation Testing. [7M]

(OR)

10. a) What is meant by SQA? Discuss in detail all the SQA activities. [7M]
b) Explain briefly the User Interface Golden Rules. [7M]

