

# GBCS SCHEME

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18CB43

## Fourth Semester B.Tech. Degree Examination, July/August 2022 Software Engineering

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

### Module-1

- 1 a. Explain Waterfall model. (10 Marks)  
b. Explain metrics for specifying non functional requirements. (10 Marks)

OR

- 2 a. Explain stages in reuse oriented process. (10 Marks)  
b. Explain the checks of a requirement validation. (10 Marks)

### Module-2

- 3 a. Explain use case modeling in detail. (10 Marks)  
b. Explain object oriented design using the UML. (10 Marks)

OR

- 4 a. Explain Bajersdorfer suggestion on open source. (10 Marks)  
b. Explain any three aspects of implementation important to software engineering. (10 Marks)

### Module-3

- 5 a. Explain development testing in detail. (10 Marks)  
b. Explain software evaluation process. (10 Marks)

OR

- 6 a. Explain the test driven development. (10 Marks)  
b. Explain the types of software maintenance. (10 Marks)

### Module-4

- 7 a. Explain three related categories of risk. (10 Marks)  
b. Explain the critical factors involved in people management. (10 Marks)

OR

- 8 a. Explain project plan in detail. (10 Marks)  
b. Explain the risk check list in detail. (10 Marks)

### Module-5

- 9 a. Explain principle of agile methods. (10 Marks)  
b. Explain how large software development is different from small system development. (10 Marks)

OR

- 10 a. Explain extreme programming release cycle. (10 Marks)  
b. Explain plan driven and agile specification in detail. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.