

GBCS SCHEME

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18IM734

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 Software Engineering and Management

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain with neat block diagram of water fall software process model. (10 Marks)
b. Explain the software development life cycle. (10 Marks)

OR

- 2 a. Explain the melding of the product and the process that start the project planning. (10 Marks)
b. Explain the stakeholders in software process. (10 Marks)

Module-2

- 3 a. Explain the reusable software resources. (10 Marks)
b. Explain make buy decision and automated estimation tools. (10 Marks)

OR

- 4 a. What are the resources needed for software development? Explain. (10 Marks)
b. Explain the scope and objectives in software project management. (10 Marks)

Module-3

- 5 a. Differentiate between reactive and proactive risk strategies. (10 Marks)
b. What are the categories of risk based on uncertainty and loss? (10 Marks)

OR

- 6 a. Write a short note on RMMM in software risk management. (10 Marks)
b. List and explain the basic principles that guide software project scheduling. (10 Marks)

Module-4

- 7 a. Explain the set of guidelines for formal technical reviews. (10 Marks)
b. Explain the cost impact of software defects. (10 Marks)

OR

- 8 a. What are the characteristics of software testing? (10 Marks)
b. Explain White Box and Black Box testing. (10 Marks)

Module-5

- 9 a. Explain the design heuristics for effective modularity. (10 Marks)
b. Explain the software data reliability. (10 Marks)

OR

- 10 a. Explain the object oriented concept and analysis. (10 Marks)
b. Explain the system testing and integration testing. (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.