



# CBCS SCHEME

18SCS332

## Third Semester M.Tech. Degree Examination, Dec.2019/Jan.2020 Software Project Planning 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. What is SMART criteria? Explain. (10 Marks)  
b. List and explain the common pitfalls to watch out for in metrics program. (10 Marks)

OR

- 2 a. What is configuration management? Explain the steps that constitute software configuration management. (10 Marks)  
b. List the functionality provided by most of the SCM tools. Explain repository structure and identification of elements in detail. (10 Marks)

### Module-2

- 3 a. What is risk management? Explain in detail risk management cycle. (10 Marks)  
b. What is risk mitigation? Given the common categories of risks, the symptoms to watch out for and the possible mitigation strategies. (10 Marks)

OR

- 4 a. What is work break down structure? Explain with a figure how is work breakdown structure done. (10 Marks)  
b. Explain the issues disused during project closure? (10 Marks)

### Module-3

- 5 a. Explain the dimensions of requirements gathering. (10 Marks)  
b. What are the skill sets required during the requirements gathering phase. (10 Marks)

OR

- 6 a. What are the challenges during the requirements management phase? (10 Marks)  
b. What are the 3-phases of estimation? Explain with a neat figure. (10 Marks)

### Module-4

- 7 a. What is testing? List the testing activities. Explain the first two activities of testing in detail. (10 Marks)  
b. List the different types of testing done during a product life cycle. Explain White box testing in detail. (10 Marks)

OR

- 8 a. Why and how is Black box testing done? Explain. (10 Marks)  
b. Explain the metrics for the maintenance phase. (10 Marks)

### Module-5

- 9 a. What are the challenges in building global teams? (10 Marks)  
b. Explain some effective management techniques for managing global teams. (10 Marks)

OR

- 10 a. With a figure explain the three deployment model. (10 Marks)  
b. Explain the levels of People-Capability Maturity Model(P-CMM) (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.