

R13**Code No: 814AZ****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, June/July - 2018****SOFTWARE PROJECT MANAGEMENT****Time: 3 Hours****Max. Marks: 60****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A**5 × 4 Marks = 20**

- 1.a) What are the risks in the waterfall model and how they are eliminated? [4]
- b) List the important trends in improving software economics. [4]
- c) Write the typical software development plan outline. [4]
- d) Explain process automation. [4]
- e) What are the basic characteristics of a good metric? Explain. [4]

PART - B**5 × 8 Marks = 40**

2. What is conventional software management? Explain the Boehm's top ten principles. [8]

OR

- 3.a) Discuss about the results of conventional software project design reviews. [4+4]
- b) What are the five components of software cost models? Explain. [4+4]
- 4.a) Write the advantages and disadvantages of commercial components versus custom software. [4+4]
- b) Emphasize about peer inspections in achieving required quality. [4+4]

OR

- 5.a) What are the top five principles of a modern process? Explain. [4+4]
- b) Write about the crucial attributes of successful software project managers. [4+4]
6. Discuss the primary objectives, essential activities, primary evaluation criteria of engineering and production stages. [8]

OR

- 7.a) Write a detailed note on pragmatic artifacts. [4+4]
- b) What is vision document? What is its purpose? Outline the typical vision document. [4+4]

- 8.a) Write the advantages and disadvantages of traditional Work Breakdown Structures.
b) What is the content of minor and major checkpoints and status assessments? [4+4]
- OR**
9. What are the main features of the default organization? Discuss about default project organization structure and their responsibilities. [8]
10. Explain how process automation and change management are critical to an iterative process and how does metric automation become crucial to effective project control. [8]
- OR**
11. Write short notes on the following:
a) Process Maturity b) Quality Indicators c) Configuration Control Board. [8]

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