

Code No: 814AZ

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, January - 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 constitutes a good software cost estimate? Explain. [4]
- b) Write Booch's five characteristics of a successful object oriented project. [4]
- c) Explain about test artifacts in brief. [4]
- d) How should the evolutionary WBS be structured? [4]
- e) What are the basic parameters of an earned value system? [4]

**PART - B****5 × 8 Marks = 40**

2. Explain the waterfall model approach and describe the five improvements to this model that would eliminate most of the development risks. [8]

**OR**

3. How to improve software economics through team effectiveness and automation? Discuss in detail. [8]

4. What are the modern process approaches for solving conventional problems? Discuss. [8]

**OR**

5. Explain the key practices that improve the overall software quality. [8]

6. What are the essential activities in Inception and construction phases? Discuss. [8]

**OR**

7. Discuss in detail about management and engineering artifacts. [8]

8. Discuss the activities that take place in the work flows in each of the software development phases. [8]

**OR**

9. Explain about the four component teams in a default line-of-business organization and their responsibilities. [8]

10. Why are the metrics divided into management and quality indicators? Name the core metrics under each category. [8]

**OR**

- 11.a) What are the priorities used for tailoring the process framework? [4+4]
- b) Discuss about process discriminants.

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