

**R13**

Code No: 117HP

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, April/May - 2018

**SOFTWARE PROJECT MANAGEMENT**

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART- A**

(25 Marks)

- 1.a) What do you mean by the *Size* of the end product? [2]
- b) List any 3 attributes for Good software cost estimate. [3]
- c) List any Two characteristics of successful object-oriented project. [2]
- d) Describe the Principle of Job matching. [3]
- e) What do you mean by Production Stage? [2]
- f) Write about Primary Objectives of Construction Phase. [3]
- g) Write about Project Review Authority (PRA). [2]
- h) Describe about Software Engineering Process Authority (SEPA). [3]
- i) Write down the cost estimation relationship in Ada COCOMO. [2]
- j) Write about Metric based scheduling and management. [3]

**PART-B**

(50 Marks)

- 2.a) Discuss the conventional software management performance. [5+5]
  - b) Write about the predominant cost estimation process. [5+5]
- OR**
3. Explain in detail about Pragmatic Software Cost estimation. [10]
- 4.a) How to achieve quality of a software? [5+5]
  - b) List and explain Boehm Principles of staffing for a Software Project. [5+5]
- OR**
5. List and explain about various modern process approaches for solving conventional problems. [10]
- 6.a) Explain in detail about Transition Phase. [5+5]
  - b) Describe about Life-Cycle evolution of the artifact sets. [5+5]
- OR**
7. Explain in detail about Artifacts Sets. [10]

- 8.a) Give the default agendas for the life-cycle architecture milestones. [5+5]  
b) Describe the default roles in a software line-of-business organization. [5+5]

**OR**

9. Explain in detail about Pragmatic Planning. [10]

- 10.a) List and explain Seven Core Metrics in Software Project. [5+5]  
b) Describe about various priorities for tailoring the process framework. [5+5]

**OR**

11.a) Briefly discuss some key differences in the process primitives for varying levels of stakeholder cohesion.

- b) Write about differences in artifacts between small and large projects. [5+5]

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