

7E 4237

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B.Tech. VII Semester (Main/Back) Examination - 2014

Computer Engg.

7CSI Software Project Management

(Common to CS &amp; IT)

Time : 3 Hours

Maximum Marks : 80

Min. Passing Marks : 24

**Instructions to Candidates :**

Attempt any **five** questions, selecting **one** question from each **unit**. All questions carry **equal** marks. (Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.)

**Unit - I**

1. a) Define a project? What are the different stages of project. (8)
- b) Define the management spectrum in the following term:
  - i) People
  - ii) Process
  - iii) Product
  - iv) Project (8)

**OR**

1. a) What is W<sup>5</sup>HH Principle? Define its importance. (8)
- b) What are the relation between the Metrics, Measurements and models. Explain in brief. (8)

**Unit - II**

2. a) Explain various empirical estimation Models. (8)
- b) Discuss the principle underlying effective cost estimation. (8)

**OR**

2. a) Differentiate between the COCOMO - I and COCOMO - II model (8)
- b) What are the project planning objectives? How can they be achieved? (8)

**Unit - III**

3. a) Discuss the project scheduling Techniques and illustrate their advantages and disadvantages (8)
- b) What is a use of tasks set and tasks network? Explain with Example. (8)

**OR**

3. a) Describe the reactive Vs proactive risk strategies in detail. (8)  
b) Discuss the Quality concept. What are the different approaches to achieve the quality Goals. (8)

**Unit - IV**

4. a) What is SQA? Define Goals of SQA. (8)  
b) Define the Defect Amplification model with diagram. (8)

**OR**

4. a) What is SCM? Explain its need. (8)  
b) Explain configuration management for web Engineering (8)

**Unit - V**

5. a) Discuss different steps in project review process (8)  
b) What is NAH syndrome? How can organization overcome from the NAH syndrome. (8)

**OR**

5. a) What is project tracking? Illustrate different project tracking techniques in detail. (8)  
b) Write short notes on  
i) Risk Related monitoring  
ii) Project Closure analysis (4×2=8)
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