

7E 4237

Roll No. _____

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B.Tech. VII Semester (Back) Examination, Nov/Dec - 2015

Computer Engg.

7CS1 (O) Software Project Management

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 Project. Explain different stages of Project (8)
- b) What do you mean by management spectrum? Explain W⁵HH principle in detail. (8)

OR

1. a) Explain size oriented and function oriented matrices in detail. (8)
- b) How will you integrate matrices within software program? Write down the guidelines for effective software matrices program. (8)

Unit - II

2. a) Explain project planning process. Also explain different types of resources (8)
- b) What do you mean by feasibility? Explain various feasibility factors associated with software development. (8)

OR

2. a) Explain the steps of software project estimation (8)
b) Write down the difference between FP estimation and LOC estimation. (8)

Unit - III

3. a) Define Project scheduling. Write down the basic principles of Project scheduling. (8)
b) Explain the following
i) Earned value analysis
ii) Risk management and monitoring (2×4=8)

OR

3. a) Explain Quality process planning and defect prevention planning in detail. (8)
b) Explain procedural and quantitative approaches to quality management (8)

Unit - IV

4. Define Software Quality. Explain Software Quality concept and its factors in detail. (16)

OR

4. a) Explain Software quality assurance in detail. (8)
b) Explain SCM process in detail. (8)

Unit - V

5. a) What is review process? Explain the stages of group review process in detail. (8)
- b) Explain the following :
- i) Analysis and control guidelines
 - ii) NAH syndrome (2×4=8)

OR

5. a) Explain project tracking, Activity tracking, defect tracking and issue tracking (8)
- b) What is the role of closure analysis? Explain closure analysis report. (8)