7E4237

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B.Tech. VII Semester (Main/Back) Examination - 2013
Computer Engg.
7CS1 Software Project Management
Common to CS & 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)   How will you establish a software metrics program?   (8)

    b)   Explain in brief metrics of software quality.   (8)

OR

1. a)   What do you meant by software project management? Discuss in brief Management spectrum in software project management.   (8)

    b)   Explain W⁵HH principles. How they are useful in Software Project Management   (8)

Unit - II

2.   What is software scope and feasibility with respect to project planning process.(16)

OR

2.   How is software project estimation done? What features come under this estimation?   (16)

Unit - III

3. a)   Why scheduling is required while developing a software project?   (8)

    b)   Explain risk projection, refinement with respect to risk management   (8)

3. a) Explain earned value analysis in brief. (8)

    b) Explain monitoring and management in brief (8)

Unit - IV

4. What is software quality? Describe the concept of quality control and give a brief note on quality and productivity factors. (16)

OR

4. Write short notes on following:

    a) Software quality characteristics

    b) Mc call's quality model

    c) SQA architecture

    d) Cleanroom process. (16)

Unit - V

5. Explain project execution and closure in brief. Also draw the block diagram of project execution which shows different phases. (16)

OR

5. Why project monitoring and control is required for the product? Explain project tracking, issue tracking, defect tracking and activities tracking. (16)

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