Code No: **R4105B**

R10

Set No. 1

IV B.Tech I Semester Supplementary Examinations, October/November - 2019
SOFTWARE PROJECT MANAGEMENT
(Computer Science and Engineering)

Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1   a)   Discuss the merits and demerits of Waterfall methodology for software
        project management.   [7]
    b)   What is meant by cost estimation in project management? Why is cost
        estimation important for project planning? Explain.   [8]

2   a)   Explain the differences between Conventional and Modern software project
        management.   [7]
    b)   Discuss Boehm's principles for staffing a software project.   [8]

3   a)   Explain about the primary objectives and outcomes of Construction phase.   [7]
    b)   Write a short note on:
        (i) Management Artifacts (ii) Engineering Artifacts   [8]

4   a)   Explain in detail about architecture in the technical perspective view.   [8]
    b)   Explain the difference between workflow and process.   [4]
    c)   List out various workflow management software.   [3]

5   a)   Explain about the major and minor milestones with an example for each.   [8]
    b)   Why should every project have a Work Breakdown structure? Explain the
        Evolutionary Work breakdown structures.   [7]

6   a)   Explain about the four component teams in a default line-of-business
        organization and their responsibilities.   [8]
    b)   What is automation in software project management? Explain about the four
        important environment disciplines that are critical to management context and
        the success of a modern iterative development process.   [7]

7   a)   Explain the important seven core metrics to manage development projects
        effectively.   [8]
    b)   Discuss the priorities for tailoring the process framework.   [7]

8   Write short notes on:
        (i)   Next generation cost models
        (ii) Top 10 software management principles
        (iii) Early Risk Resolution   [15]