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Total Number of Pages : 02

B.Tech  
PCS7J005

7<sup>th</sup> Semester Regular Examination 2018-19  
SOFTWARE PROJECT MANAGEMENT

BRANCH : CSE

Time : 3 Hours

Max Marks : 100

Q.CODE : E154

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Short Answer Type Questions (Answer All-10) (2 x 10)

- Define scope of a Software Project with suitable example.
- Define Putnam's model of Software Estimation.
- Explain different motivation techniques for Better Leadership.
- Why the discounted cash flow method provides better criteria for Project selection than ROI/Net Profit.
- What do you understand by schedule performance index (SPI)? Discuss.
- Define and differentiate between a contract and Contract management.
- What do you understand by the term quality. Define the software quality and its importance.
- What are the effects of shortening a project duration?
- Differentiate between verification and validation of Software products.
- What is the significance of Code Review? Why it is needed in the software project?

Part- II

Q2 Focused-Short Answer Type Questions- (Answer Any EIGHT out of TWELVE) (6 x 8)

- Explain with examples, the term 'Milestones' and 'Deliverables' with reference to Project planning. Write down the significance of both in Stepwise project planning.
- When does the software activity start and end in a software life cycle? List some important activities that a software manager performs during software project management.
- Explain the Function Point Analysis in detail. Discuss also how Complexity Adjustment Factor (CAF) adjusts the unadjusted value of Function Point (UFP).
- What are the various techniques for visualizing project progress? Discuss Earn Value Analysis. How it is different from Cost Monitoring.
- Explain software quality assurance and also discuss the various software quality assurance activities.
- Define a risk in the scenario of software project development. Explain the different types of risks encountered during software project development. Also, Define Risk management strategy.
- Explain any one cost-benefit evaluation technique for software projects with suitable example.
- Suppose that you have been appointed as Project Manager to develop a Mobile application for your organizational MIS. Create a Work breakdown structure (WBS) for this project breakup at least one item upto the third level in WBS.
- Describe the Putnam's model of Software estimation.
- Explain about SEI-CMM. Describe in detail various maturity levels with the capability required to satisfy them.
- Discuss the feasibility analysis/assessment of a project. How do we do strategic project assesment of a software project?.
- What is PERT Analysis? Compare and Construct : a) Optimistic time estimation b) Pessimistic time Estimation

