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Total No. of Questions : 08

## M.Tech.(IT)  (Sem.–2)
## SOFTWARE PROJECT MANAGEMENT
### Subject Code : IT-508
### M.Code : 37616

Time : 3 Hrs.          Max. Marks : 100

**INSTRUCTION TO CANDIDATES :**
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1) a) What do you understand by software metrics? Discuss the various product metrics for software development. Explain the concept of function points. Why FPs are becoming acceptable in industry?

   b) Compute the function point FP for a payroll program that reads a file of employee and a file of information for the current month and prints cheque for all the employees. The program is capable of handling an interactive command to print an individually requested cheque immediately.

2) What do you understand by Sliding Window Planning? Explain using a few examples the types of projects for which this form of planning is especially suitable. What are its advantages over conventional planning?

3) a) How does PERT work in activity planning while tracking the project? Discuss.

   b) What is the role of a TEAM in decision making? Discuss.

4) a) Suppose you have estimated the normal development time of a moderate-sized software product to be 5 months. You have also estimated that it will cost Rs. 50,000/- to develop the software product. Now, the customer comes and    tells you that he wants you to accelerate the delivery time by 10%. How much additional cost would you charge the customer for this accelerated delivery? Irrespective of whether you less time or more time to develop the product, you are essentially developing the same product. Why then does the effort depend on the duration over which you develop the product?

   b) Explain all the legal issues such as patents, copyright, liability, warranty for planning the project.

5) Discuss the assessment of software quality according to the quality attributes. You should consider each attribute and explain how it might be assessed.

6) a) What are risk management activities? Is it possible to prioritize the risk?

   b) Explain why adding more manpower to an already late project makes it later.

7) a) Explain general status of plans, requirements and product across the major milestones.

   b) What are metrics and measurements? Illustrate the types of product metrics. Discuss various types of COCOMO mode. Explain the phase wise distribution of effort.

8) a) Write down the major differences between work breakdown structure and activity network model.

   b) Explain the concept of inspections and review.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**