[5560]-593

T.E. (I.T.)

SOFTWARE ENGINEERING AND PROJECT MANAGEMENT
(2015 Pattern) (Semester - I) (End Sem)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

  1) *Answer Question 1 or 2, 3 or 4, 5 or Q6, 7 or 8, and 9 or 10.*
  2) *Neat diagrams must be drawn wherever necessary.*
  3) *Figure to the right indicate full marks.*
  4) *Assume suitable data if necessary.*

Q1) a) State and explain any Five Myths of software development with reality.**[5]**

   b) Compare between Evolutionary and Incremental Models.   **[5]**

                                        OR

Q2) a) What is requirement elicitation? Write the elicitation work products.**[5]**

   b) Draw state diagram for ATM operations.   **[5]**

Q3) a) What is meant by normal and Exciting requirements? How requirements
         are validated?   **[5]**

   b) What is critical path? Explain with example how critical path method is
         used to estimate the total project duration.   **[5]**

                                        OR

Q4) a) How to prioritize software requirements based on kano analysis? **[5]**

   b) What is task network in project scheduling? Explain it with example. **[5]**

Q5) a) Explain how scrum works with basic diagram.   **[6]**

   b) Differentiate between exploratory and scripted Testing.   **[6]**

   c) Write the manifesto for agile software development.   **[4]**

                                        OR

Q6) a) Write short note on following: **[12]**

      i)   Test Driven Development.

      ii)   Pair programming.

      iii) Burndown chart.

   b) Write and explain the role of the scrum master.   **[4]**

Q7) a) Explain the different tools and techniques for quality control. **[10]**

b) What are the common sources of risks in 77 projects. **[6]**

OR

Q8) a) Explain risk mitigation, monitoring and Management. **[10]**

b) What is software quality? Explain software quality dimensions/parameters. **[6]**

Q9) a) Explain the SCM repository features. **[6]**

b) Explain in brief global software challenges. **[6]**

c) What is CRM? Explain the importance of CRM. **[6]**

OR

*Q10)*a) Write the short note on following: **[18]**

i) Business process Reengineering.

ii) Technology Evoluation.

iii) CASE Tools.

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