

Total No. of Questions : 10]

SEAT No. :

P3637

[5560]-593

[Total No. of Pages : 2

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]

P.T.O.

- 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 Evolution.
iii) CASE Tools.
