Total No. of Questions : 10]

SEAT No. :

P1763

[Total No. of Pages : 2

[5460] - 593
T.E. (I.T.)
SOFTWARE ENGINEERING AND PROJECT MANAGEMENT
(2015 Pattern)

Time : 2½ Hours] *[Max. Marks :70*

Instructions to the candidates:

1) ***Solve any 1 out of Q.1 or Q.2 and any 1 out of Q.3 or Q.4 and***
2) ***Solve any 1 out of Q.5 or Q.6 and any 1 out of Q.7 or Q.8 and any 1 out of Q.9 or Q.10.***
3) ***Draw neat diagrams and assume suitable data wherever necessary.***
4) ***Figures to the right indicate full marks.***

Q1) a) Elaborate how software engineering is layered technology. **[5]**

b) What are the key principles for agile requirements? **[5]**

OR

Q2) a) Explain four major sections of project management plan. **[5]**

b) What is meant by normal and exciting requirements? How requirements are validated? **[5]**

Q3) a) What are different techniques for effort estimation? **[5]**

b) Explain incremental model in detail. **[5]**

OR

Q4) a) How stakeholder identification is performed? What are the advantages of recognizing multiple viewpoints? **[6]**

b) Discuss software myths and realities in developer perspective. **[4]**

Q5) a) Explain agility and cost of change. State the Agility principles. **[8]**

b) Explain sprint planning meeting, sprint backlog, sprint execution. **[8]**

OR

P.T.O.

Q6) a) Explain with an example test driven development. **[8]**

b) Explain difference between exploratory testing versus scripted testing. **[8]**

Q7) a) Explain the need of Quality management. Draw and explain six sigma in quality management. **[10]**

b) Explain Different statistical tools used quality control. **[8]**

OR

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

b) Explain the differences between 'Known risks' and 'predictable risks' with example. **[8]**

Q9) a) What is customer relationship management (CRM)? Explain benefits of CRM. **[8]**

b) What is meant by business reengineering? What are business reengineering process principles? **[8]**

OR

Q10) Write short note on **[16]**

a) CASE tools

b) Collaborative Development

c) Elements of a Configuration Management System

d) Technology Evolution

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