[5058]-402

T.E.(Information Technology)
SOFTWARE ENGINEERING
(2012 Course) (Semester-I)

Time : 2.30Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 orQ.6, Q.7 or Q.8, Q.9 or Q.10.*
2) *Draw neat diagrams whenever necessary.*
3) *Figures to the right side indicate full marks.*
4) *Assume Suitable data if necessary.*

Q1) a) Explain the incremental software process model in detail. **[5]**

b) Differentiate between Exploratory testing versus scripted testing. **[5]**

OR

Q2) a) State & Explain different myths. **[5]**

b) Write short note on Refactoring. **[5]**

Q3) a) Write short note on UML model. **[5]**

b) Explain Requirement Prioritization with the help of KANO diagram. **[5]**

OR

Q4) a) Discuss XP values and XP process. **[5]**

b) Write short note on Generic process model. **[5]**

Q5) a) Explain architectural trade-off analysis method (ATAM). **[8]**

b) What is functional Independence? Differentiate between coupling functional independence and cohesion functional independence. **[8]**

OR

Q6) a) What are elements of Design model? What are the elements of architectural design? Explain design principles. **[8]**

b) What is software architecture? Explain Data centered and object oriented architectural style of the system. **[8]**

Q7) a) What is Fitt's Law? How is it used in UI design? **[8]**

b) Explain task analysis and modeling? Draw the swimlane for reservation system. **[8]**

OR

Q8) a) Explain the mechanisms applied in user interface design for fulfilling The Mandel's three golden rules. **[8]**

b) What are the methods of collecting user requirements in user-centered design? **[8]**

Q9) a) Explain cleanroom process model. **[10]**

b) Write short notes on Elements of a Configuration Management System.**[8]**

OR

*Q10)*a) i) Write short note on test driven development. **[10]**

ii) What are challenges of Global Software Development?

b) How do we certify a software component during cleanroom testing?**[8]**

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