

Total No. of Questions : 10]

SEAT No. :

**P1762****[5058]-402**

[Total No. of Pages : 2

**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 or Q.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]

**P.T.O.**

- 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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