

Total No. of Questions : 10]

SEAT No. :

P2466

[Total No. of Pages : 2

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**T.E. (Computer Engineering)
SOFTWARE ENGINEERING
(2012 Pattern) (Semester - II)**

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10
- 2) Neat diagram must be drawn whenever necessary.
- 3) Black figures to the right indicate full marks.
- 4) Assume suitable data if necessary.

- Q1)** a) Discuss software process? Describe the framework and umbrella activities? [5]
b) Explain management and customer myths . Why a late project can not be placed back on schedule by merely adding people to the project teams? [5]

OR

- Q2)** a) Illustrate the characteristics of SRS? [5]
b) Describe CRC? Write the steps for identifying analysis classes using CRC modeling. [5]

- Q3)** a) For banking system ,make your assumptions about the scope of the system identify four use cases and depict them in diagram. [5]
b) Discuss refactoring? Give the importance of refactoring in improving quality of software. [5]

OR

- Q4)** a) Explain Elements of analysis model? [5]
b) Explain data centered layered architectures with neat diagrams. [5]

- Q5)** a) Usability of software product is tested during which type of testing? How is usability tested? [5]
b) Differentiate between alpha testing and beta testing? [5]
c) Describe system testing ? What are the different kinds of System testing that are usually performed on large software products? [7]

OR

P.T.O.

- Q6)** a) Explain Boundary value analysis testing and orthogonal Array testing. [5]
b) Explain smok testing and regression testing? [5]
c) why the highly coupled module difficult to unit test? [7]

- Q7)** a) Justify process decomposition ? what are the work tasks for communication process using process decomposition? [5]
b) Explain metric for object oriented projects. [5]
c) Explain W5HH principles. [7]

OR

- Q8)** a) Differentiate between Measure and Metric? What are attributes of effective Software Metric? [5]
b) Describe Software configuration management ? Explain the change control mechanism in software configuration management. [5]
c) Assess Risk identification ? Name the different categories of risks? [7]

- Q9)** a) Describe Service-oriented architecture? [5]
b) Explain OCL? Where it is used? [5]
c) Discuss architectural patterns in details. [6]

OR

- Q10)** a) Describe client server computing? Explain [5]
b) Discuss architectural patterns in details. [5]
c) McCall's Quality Factors. [6]

