

Total No. of Questions : 6]

SEAT No. :

**P3659**

[Total No. of Pages : 2

**APR - 15 / Engg. - 144**

**T.E. (Computer Engineering) (In Sem - Semester - II)**

**SOFTWARE ENGINEERING**

**(2012 Pattern)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume Suitable data, if necessary.*

- Q1)** a) What are the various umbrella activities applied throughout a software project? [6]
- b) What are different software myths that the customers and practitioners believe in and what are their corresponding realities? [4]

OR

- Q2)** a) Explain Cleanroom process. What are the different key strategies used for Cleanroom approach to software development? [6]
- b) Explain the concept of Software Evolution. Explain the merits and demerits of Agile process model. [4]

- Q3)** a) Explain four desirable components of a good Software Requirements Specification (SRS) document. [6]
- b) What do you mean by requirement negotiation and validation? [4]

OR

- Q4)** a) Explain Scenario Based modeling with suitable example. [6]
- b) What are functional and non functional requirements of software. [4]

*P.T.O.*

- Q5)** a) Explain about the various design concepts considered during design?[6]  
b) Justify “A cohesive design should have high cohesiveness and low coupling”. [4]

OR

- Q6)** a) Explain in detail, the need of ATAM (Architecture Tradeoff Analysis Method) and its steps. [6]  
b) Compare the Data Flow and Data Centred Architecture. [4]

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