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SEAT No. :

P166

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OCT/BE/Insem.-95

B.E. (Computer Engineering)

COMPUTER NETWORK DESIGN AND MODELING

(2013 Pattern) (Semester - I) (Elective - I)

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) Explain overview of network analysis in regard with requirement analysis. [5]

b) What are the different design process during network analysis? [5]

OR

Q2) a) What are different attributes required for requirement analysis concepts? [5]

b) Explain performance characteristics in regard with requirement analysis. [5]

Q3) a) What is the use of Requirement specification and Map. [5]

b) Write a note on :

i) Delay [3]

ii) Capacity [2]

OR

Q4) a) Explain the developing service metrics in detail for requirement analysis process. [6]

b) Explain Environment Specific Thresholds and Limits for process. [4]

P.T.O.

**Q5) a)** Explain Component Architectures in detail. **[6]**

b) Explain detail about Data Source and Sinks. **[4]**

**OR**

**Q6) a)** Explain flow Models in detail. **[5]**

b) Write a short note on Flow prioritization and Specification. **[5]**

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