BE INSEM AUS 16

Total No. of Questions: 6]

SEAT No.:

P117

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Oct.-16/B.E./Insem.- 175

B.E. (Computer Engineering)

COMPUTER NETWORK DESIGN AND MODELING

(2012 Pattern) (Semester - I) (Elective - I(b)) (Theory)

Time	a . 1)	Hourt Marks 2
Time: 1 Hour] [Max. Marks: 30] Instructions to the candidates:		
111511	1)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.
	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 Service Characteristics and Service Levels. [5
	b)	What are the different types and groups of applications? [5
		OR
	/	
Q2)	(a)	Why is requirements analysis is important to network architecture and design? Give three reasons. [5]
	b)	Describe why delay performance is important for VoIP and Teleconferencing. [5]
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93)	a)	What is service metrics? Explain service metrics for RMA, capacity delay. [5]
	b)	Your customer is a hospital that wants to upgrade its LAN. Develop a questionnaire to gather requirements from users, hospital management and staff. What kinds of questions would you ask to better understand their environment?
		OR
Q4)	a)	Explain requirement mapping in a network process. [5]
	b)	Explain in brief about Environment-Specific Thresholds and Limits. [5]
25%	a)	Explain different flow attributes and common flow characteristics of network. [5]
+-	b)	Explain the data sources and sinks with examples. [5]
		OR
06)	a)	Explain different Flow Models. [5
2-/	b)	What are the differences between the Access/Distribution/Corarchitectural models?