USCST11.2 - Elective Paper-II - Computer Science : Data Communication with Cloud Computing

P. Pages : 2

Time : Three Hours

6742

Max. Marks : 50

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw a neat and well labeled diagram whenever necessary.

Either:

1.	a)	What is digital transmission? Explain serial and parallel transmission in detail.	**5**
	b)	Explain the terms-Digital to digital data encoding and Analog to analog data encoding.	**5**

OR

	c)	Differentiate between Asynchronous and Synchronous transmission.	**5**
	d)	Draw a diagram of synchronous time division multiplexing. Explain it.	**5**

Either:

2.	a)	Write advantages and disadvantages of circuit switching.	**5**
	b)	What is x25 switching technology? Why is it called x25? Write in short.	**5**

OR

	c)	Write note on Local Area Network (LAN).	**5**
	d)	What is the role of token passing access control protocol in data transmission? Explain it.	**5**

Either:

3.	a)	What is layered approach protocol? Why is it layered? Explain it.	**5**
	b)	Describe data link layer address of internetworking.	**5**

OR

	c)	Explain presentation layer in OSI model.	**5**
	d)	Write note on routing bridge.	**5**

Either:

4.	a)	Write any five key characteristics of cloud computing.	**5**
	b)	What are the types of cloud computing deployment model. Explain any one of them.	**5**

OR

    c)   What is cloud computing architecture? Explain front end cloud computing architecture.   **5**

    d)   Discuss the regulatory issues of cloud computing.   **5**

5.   Attempt all the questions.

    a)   What are the types of transmission media?   **2½**

    b)   Write benefits of Bus network.   **2½**

    c)   Define OSI model.   **2½**

    d)   What is meant by cloud computing.   **2½**

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