



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 270461

Roll No.

--	--	--	--	--	--	--	--	--	--

M.B.A.

(SEM. IV) THEORY EXAMINATION, 2014-15

DATA COMMUNICATION AND NETWORK

Time : 3 Hours]

[Total Marks : 100

Note : Attempt All Questions. All questions carry equal marks.

1 Attempt any four parts of the following : 4×5=20

- a) Explain CDMA signal. How is it different from SDMA?
- b) In what way computer network help to manage the company resources in an effective and efficient manner.
- c) Draw architecture of ATM and explain functions of each layer in ATM.
- d) Describe propagation of light through optical fiber.
- e) How does base band differ from broadband?
- f) Explain the application of mobile communication.

- 2** Attempt any two parts of the following : **2×10=20**
- a) Explain CDMA signal. How is it different from SDMA?
 - b) Draw components of data communication system and state function of each component.
 - c) What are the components of a typical LAN? What are the functions of each component?
- 3** Attempt any two parts of the following : **2×10=20**
- a) What is Virtual Private Network? Discuss briefly.
 - b) How Wireless communication is different from mobile communication? What is the strategic advantage to a company of using wireless communication? Discuss.
 - c) What is the advantage of 802.11 over Bluetooth and vice versa? What problems may occur if both are used in the same office?
- 4** Attempt any two parts of the following : **2×10=20**
- a) Describe the directory structure of UNIX system. What are Pipes and Filters? What is Pipeline?
 - b) What is Frame Relay? Explain standard frame relay frame format.
 - c) What is XML and XML script? Compare their capabilities. Why are they become important?

5 Write notes on any two of the following :

2×10=20

- a) WAP protocol stack
 - b) Html converters
 - c) Applet
 - d) VB Loops.
-