



Code: 14E05406

MBA IV Semester Supplementary Examinations November/December 2017

DATA COMMUNICATION & NETWORK ANALYSIS

(For students admitted in 2014 & 2015 only)

Time: 3 hours

Max. Marks: 60

All questions carry equal marks

SECTION – A

Answer the following: (05 X 10 = 50 Marks)

- 1 (a) Give brief description about delay analysis.
(b) Define multiplexing. Describe briefly about the frequency division multiplexing.

OR

- 2 (a) What are the different types of topologies present in networks? Explain.
(b) Explain in detail about the packet switching.

- 3 Discuss in detail about the go back N and selective repeat protocols.

OR

- 4 (a) What are the main functions of the data link layer?
(b) What is routing? Explain the hierarchical routing in detail.

- 5 (a) What is addressing? Explain it in detail.
(b) Discuss in detail about the functions of session layer.

OR

- 6 Describe briefly about the connection establishment and release of connection in transport layer.

- 7 (a) What is a digital signature? Explain it in detail.
(b) Give a brief note on file transfer protocol.

OR

- 8 What is the need of message encryption? Explain different data encryption methods in detail.

- 9 (a) Explain in detail about the history of ISDN.
(b) Describe briefly about the internetworking devices in detail.

OR

- 10 Write a short note on following:
(a) TCP/IP.
(b) Networking devices.

SECTION – B

(Compulsory Question)

01 X 10 = 10 Marks

11 Case study:

Consider the connection oriented services and connection less services to describe the following:

- (a) Give two examples of computer applications for which connection-oriented service is appropriate and justify.
(b) Give two examples of computer applications for which connection-less service is appropriate and justify

