LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A.DEGREE EXAMINATION – COMPUTER APPLICATIONS

SIXTH SEMESTER – APRIL 2019

16UCA6MC01– DATA COMMUNICATION NETWORKS

Date: 04-04-2019   Dept. No.   Max. : 100 Marks

Time: 09:00-12:00

SECTION –A

Answer ALL the Questions   **(10 x 2=20 marks)**

1. Write the different types of network.

2. Define bridge.

3. Define analog signal.

4. List the transmission media.

5. Write about digital signal.

6. Define modem.

7. Write the types of errors.

8. Define error detection.

9. Write a note on FTP.

10. List the uses of network utilities.

SECTION – B

Answer ALL the Questions   **(5 x 8=40 marks)**

11. a. Explain about the types of Topology.
     (or)
b. Explain in detail the concept of repeaters.
12.a. Explain analog signal with a neat diagram.
     (or)
b. Explain digital signal with a neat diagram.

13.a. Write a note on parallel data transmission.
     (or)
b. Explain DTE-DCE interface.

14.a. Explain Demultiplexers with examples.
     (or)
b. Discuss in detail about Error Detection.
15. a. Explain DNS in detail.
     (or)
b. Briefly explain network utilities.

1

Answer any TWO Questions   **(2 x 20=40 marks)**

16. a. Briefly explain the concept of bridges.   **(10 marks)**

    b. Explain transmission media.   **(10 marks)**

17.a. Explain the functions of OSI Model.   **(10 marks)**

b. Explain in detail about multiplexer.   **(10 marks)**

18.a. Explain error correction techniques with example.   **(10 marks)**

.b. Write a brief note on network management Protocol.   **(10 marks)**

★★★★★★