D–3843

B. C. A. (Part II) EXAMINATION, 2020

(Old Course)

Paper Sixth

COMPUTER NETWORKING AND INTERNET TECHNOLOGY

(204)

Time : Three Hours]   [*Maximum Marks : 100*

[*Minimum Pass Marks : 40*

Note : Attempt any *two* parts from each Unit. All questions carry equal marks.

Unit—I

1. (a) Explain the components of data communication systems.

    (b) Discuss Mesh and Star Topologies with their advantages and disadvantages.

    (c) Compare LAN and WAN technologies.

Unit—II

2. (a) Describe the OSI Model Architecture.

    (b) Discuss the functions of Network layer in TCP/IP model.

    (c) Write a note on NSFNET.

Unit—III

3. (a) Differentiate Analog and Digital data.

    (b) Explain different types of MODEMS standards.

    (c) Explain Synchronous and Asynchronous data transmission.

Unit—IV

4. (a) Write the features of client-server model.

    (b) What do you understand by web publishing ? Explain its steps by step procedure.

    (c) Explain HTML tables and forms with examples.

Unit—V

5. (a) What is Java ? Explain its features.

    (b) Write the features of Java Script.

    (c) What do you understand by the term stylesheet ? Explain stylesheet basics with an example.