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Roll No.

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B.C.A. (Part - II) Examination, 2022

(New Course)

Paper Fourth

COMPUTER NETWORKS

(BCA-204)

Time : Three Hours]

[Maximum Marks:80

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

Unit - 1

1. (a) Explain LAN, MAN and WAN.
- (b) What is transmission mode ? Explain.
- (c) Write note on Network criteria and Inter Net works.

Unit - II

2. (a) Differentiate Analog and Digital signals.
- (b) Explain with the help of a diagram , how DTE & DCE are used in communication.
- (c) Explain DTE-DCE Standards.

Unit - III

3. (a) Explain the responsibilities of physical layer.
- (b) What are the functions of Transport Layer?
- (c) Describe the architecture of OSI Model.

Unit - IV

4. (a) Discuss the TCP/IP reference model.
- (b) Explain the architecture of Internet.
- (c) Explain TCP and FTP protocols in detail.

Unit - V

5. (a) Why Network security is important?
- (b) Explain Traditional Ciphers.
- (c) Discuss RSA in detail.

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