

Roll No. : ..350583.....

Total No. of Pages : 4

BCA 201

BCA SECOND YEAR EXAMINATION-2023 COMPUTER COMMUNICATION AND NETWORKS

Paper -I

Time Allowed : 3 hours

Maximum Marks : 100

Part-A [Marks : 20]

Note: Answer all questions (50 words each). All questions carry equal marks.

Part-B [Marks : 50]

Note: Answer five questions (250 words each). Selecting one from each unit. All questions carry equal marks.

Part-C [Marks : 30]

Note: Answer any two questions (300 words each). All questions carry equal marks.

Part-A

1. Answer the following questions :

- (i) Define protocol.
- (ii) What do you understand by firewall?

- (iii) Define bandwidth.
- (iv) What is meant by full duplex transmission?
- (v) What is meant by MAC in computer network?
- (vi) What is gigabit ethernet?
- (vii) What is meant by parity check?
- (viii) What is meant by virtual circuit?
- (ix) What do you understand by IP address?
- (x) What is meant by subnetting?

Part-B

UNIT-I

- 2. Write short note on TCP/IP.
- 3. Briefly discuss networking devices.

UNIT-II

- 4. Discuss synchronous and asynchronous transmission.
- 5. Explain the working mechanism of AM and FM.

UNIT-III

- 6. What is token ring and how does it work?
- 7. Briefly discuss FDDI and ATM.

UNIT-IV

8. Write short note on CRC.
9. Discuss stop and wait ARQ in detail.

UNIT-IV

10. What is ARP and how does it works ?
11. Briefly discuss IPv4 addressing.

Part-C

12. Explain in detail different types of networks.
13. Discuss various wired and wireless transmission media.
14. Discuss CSMA/CD in detail.
15. Discuss how circuit switching is different from packet switching.
16. Discuss classful addressing.

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