

NOVEMBER/DECEMBER 2020

**BCA53 — DATA COMMUNICATION AND
NETWORK**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the two types of Transmission.
2. Define Protocol.
3. What is flag byte?
4. State the use of FDDI.
5. What is Static Algorithm?
6. Define Congestion Control.
7. Expand TSAP.
8. What is Marshalling?
9. What does MIME and SMTP stands for?
10. What is WAP?

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions.

11. (a) Discuss on characteristics of Multimedia presentation.

Or

- (b) Write short note on:
(i) Coaxial Cable.
(ii) Twisted Pair.

12. (a) Give an overview on different types of Text.

Or

- (b) Describe about the Gigabit Ethernet.

13. (a) Distinguish between Broadcast and Multicast routing.

Or

- (b) Describe the general principles of Congestion Control.

14. (a) Discuss on Multiplexing.

Or

- (b) Write short notes on TCP Timer Management.

15. (a) Elaborate on Video on Demand with neat diagram.

Or

- (b) Discuss on Simple Mail Transfer Protocol.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss on Guided Transmission Media.
 17. Write a detailed note on Data link layer Design issues.
 18. Discuss on Internetworking in detail.
 19. Describe – User Datagram Protocol.
 20. Explain about the Wireless Web in detail.
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