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B.M.S COLLEGE FOR WOMEN
BENGALURU – 560004

III SEMESTER END EXAMINATION – JAN/FEB- 2024

B.Voc. I.T. - COMPUTER NETWORKS
(NEP Scheme 2021-22 onwards F+R)

Course Code: BVIT3DSC08
Duration: 2 ½ Hours

QP Code: 3034
Max. Marks: 60

Instructions: Answer all the sections

SECTION-A

I. Answer any TEN questions. Each question carries TWO marks.

(10X2=20)

1. What is Computer Networks?
2. Mention two differences between WAN & MAN.
3. Define redundancy.
4. What is token passing?
5. Define FTP and IP.
6. List any two differences between twisted pair and co-axial cable.
7. What is piggybacking?
8. Mention the types of class addressing modes.
9. Define DNS
10. What is TELNET?
11. Mention the types of routing in network.
12. What is sub-netting?

SECTION-B

II. Answer any FIVE questions. Each question carries FOUR marks.

(5X4=20)

13. With a neat diagram explain OSI reference model.
14. Explain packet switching.
15. Write a note on Time Division Multiple Access.
16. Write steps of CRC method of error correction.
17. Describe checksum error detection method.
18. Write a note on IP addressing.
19. Explain CSMA/CA random access protocol with example.

SECTION-C

III. Answer any TWO questions. Each question carries TEN marks.

(2X10=20)

20. Explain TCP/IP model with a neat diagram.
21. Explain Network topologies with a neat diagram.
22. Explain bell-man ford's routing algorithm with an example.

23. Explain TCP congestion control in detail.

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