

VIJAYA COLLEGE

R V Road, Basavanagudi, Bangalore – 560 004.

Model Question Paper 1

COMPUTER SCIENCE – VIII

Computer Networks

Time: 3 Hrs

Max. Marks:70

INSTRUCTION: ANSWER ALL THE SECTIONS.

SECTION – A

I. Answer any ten questions. Each question carries two marks.

2x5=20

1. Mention any two advantages of resource sharing?
2. Write a note on UTP cable.
3. Briefly explain what is byte stuffing?
4. What is multicast addressing?
5. Write a note on thinnet wiring.
6. what is a repeayer?
7. What is baud rate?
8. Mention any two DSL technologies.
9. What is protocol stack?
10. Differentiate between IPV4 and IPV6.
11. What is dynamic routing?
12. Briefly explain domain name system.

SECTION - B

II. Answer any Five questions.

5x10=50

13. a) Write a note on transmission errors. 5
b) Explain data transmission using RS232C interface. 5
14. a) Explain geosynchronous satellite. 5
b) Explain time division multiplexing. 5

- | | |
|--|----|
| 15) Explain any five network topologies. | 10 |
| 16. a) Write a note on Internet architecture. | 5 |
| b) Explain user datagram protocol in detail. | 5 |
| 17. a) Explain static and dynamic routing in detail. | 5 |
| b) Explain the working of dialup modem. | 5 |
| 18. a) Explain ARP message delivery. | 5 |
| b) Write a short note on flooding. | 5 |
| 19. a) Explain the operations that can be performed on E-mail. | 5 |
| b) Explain ICMP error messages. | 5 |
| 20) a) Explain IPv4 in detail. | 5 |
| b) write a short note on | 5 |
| i) www | |
| ii) hub | |

