

VIJAYA COLLEGE
R.V.Road, Basavanagudi.

MODEL QUESTION PAPER 3

VI semester B.sc. Examination
COMPUTER SCIENCE-VIII
Computer Networks

Time: 3 Hours

Max.Marks: 70

Instruction: Answer All the questions

SECTION- A

I. Answer any ten questions Each question carries two marks (10X2=20)

1. What is Resource sharing ?
2. What is Internet?
3. What is a transmission medium? Name a few.
4. What is multicast addressing ?
5. Define the terms Baud rate. What are the two ways of configuring Baud rate?
6. State Shannon theorem.
7. Define Amplitude modulation.
8. What is Adaptive bridge?
9. What is Repeater?
10. Why bridges are used in LAN?
11. Explain caching in Web Browsers.
12. What is congestion collapse?

SECTION-B

II. Answer the following questions. Each question carries ten marks (5X10=50)

- 13. a) Briefly explain the Growth of computer networking.**

b) Explain optical transmission system with a neat diagram.

5

OR

a) Explain Network layer of OSI reference model. 5

b) Explain Geosynchronous satellites. 5

14. a) Explain data transmission using RS232C interface. 5

b) Explain PING commands and TRACERT command. 5

OR

a) Write a note on transmission errors. 5

b) Explain star Network. List its advantages. 5

15. a) Explain Time Division Multiplexing. 5

b) Write a note on satellite transmission. 5

OR

a) Explain CSMA/CD used to access shared medium in LAN. 5

b) Explain the working of dial-up modem. 5

16. a) Explain various classes of IP addresses. 5

b) Explain the steps involved in ARP message delivery. 5

OR

a) Write a short note on Flooding. 5

b) Compare Static and Dynamic routing. 5

17. a) Explain TCP services. 5

b) Explain any three special IP addresses 5

OR

a) Write a brief note on WWW. 5

b) Compare IPv4 and IPv6. 5