



QP CODE: 24046290



24046290

Reg No :

Name :

**B.Sc DEGREE (CBCS) IMPROVEMENT/REAPPEARANCE/MERCY CHANCE
EXAMINATIONS, DECEMBER 2024**

First Semester

B.Sc Physics Model II Computer Applications

**Vocational Course - CA1VOT02 - COMPUTER NETWORKS & INTERNET
TECHNOLOGIES**

2017 Admission Onwards

5025E038

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What is transmission mode?
2. What are the different network design models?
3. Give any two uses of computer network.
4. What is bridge?
5. What do you mean by data multiplexing ?
6. Which are the two ways of implementing TDM?
7. What are the two interfaces provided by protocols?
8. Define DHCP and ICMP.
9. Name services provided by application layer.
10. What do you mean by IRC?
11. What is IMAP?
12. What is Gopher?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What are the applications of computer network? Explain.
14. What is MAN? Explain with a diagram.
15. Describe the advantages of optical fiber over twisted pair and coaxial cables? What is the significance of twisting in twisted-pair cable?
16. Explain with diagram how ring topology is differing from star topology.
17. Explain the responsibilities of transport layer.
18. What are the responsibilities of session layer?
19. What is the purpose of multiplexing and demultiplexing in transport layer?
20. Explain FTP.
21. Differentiate between Web Server and File Server.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. What is data communication? What are the different components of data communication?
23. What is transmission media? Briefly explain unguided media with examples.
24. Explain the TCP/IP reference model with a neat sketch.
25. Differentiate between WWW and Internet. Explain various services and features of Internet.

(2×10=20)

