



23145815

QP CODE: 23145815

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, DECEMBER 2023**

First Semester

B.Sc Physics Model II Computer Applications

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

2017 Admission Onwards

A4EEE61C

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What is transmission mode?
2. What is WAN?
3. Give any two uses of computer network.
4. What is modem?
5. What is FDM?
6. Define asynchronous TDM.
7. Write short notes on devices used in physical layer.
8. Name the services provided by application layer.
9. What is the use of application layer?
10. What is Netscape Navigator Used for?
11. What do you mean by IRC?
12. What is the purpose of SMTP?

(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 data communication? What are the components of data communication?
15. Explain various guided transmission media.
16. Draw and explain the Hybrid topology with a star backbone and four ring networks.
17. Explain Data Link Layer and Network Layer.
18. Define routing. Mention names of devices used for routing.
19. What are the responsibilities of session layer?
20. Briefly explain the TCP/IP protocol used for remote access.
21. Discuss about any 3 Web Browsers and their features.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. What are the different network design models? Explain with help of a neat diagram.
23. What is transmission media? Briefly explain unguided media with examples.
24. Explain the TCP/IP reference model with a neat sketch.
25. Explain WWW architecture and its basic components.

(2×10=20)