23104646

QP CODE: 23104646

Reg No : .....

Name : .....

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

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT02 - COMPUTER NETWORKS & INTERNET TECHNOLOGIES

2017 Admission Onwards

92F073B9

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What is computer network?
2. What is transmission mode?
3. Give any two uses of computer network.
4. Define unguided media.
5. What are the advantages of bus topology?
6. Define synchronous TDM.
7. What are the functions of LLC?
8. Define DHCP and ICMP.
9. Name is services provided by application layer.
10. Differentiate between http and html.
11. Which are the two sub systems of an e-mail system?
12. What is Gopher?

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. What is LAN? Expain with a diagram.
14. What is peer-to-peer model? How it is differ from client-server model?
15. Define
    i) NIC ii) Repeaters iii) Hub iv) Gateway v) Bridge
16. Write a short note on FDM.
17. What are the duties of the transport layer?
18. What are the responsibilities of session layer?
19. What is the purpose of multiplexing and demultiplexing in transport layer?
20. Explain World Wide Web.
21. Discuss how Post Office Protocol works.

(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. Write an essay on guided transmission media.
24. Explain the TCP/IP reference model with a neat sketch.
25. Explain Client server architecture. Also discuss the main differences between Web Servers and Wer Browsers.

(2×10=20)