B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT02 - COMPUTER NETWORKS & INTERNET TECHNOLOGIES

2017 Admission Onwards

AE20D703

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 protocol?

3. What is WAN?

4. What is guided transmission media?

5. List wireless technologies.

6. List any four networking devices.

7. What are the features provided by layering?

8. What is protocol data unit?

9. Name is services provided by application layer.

10. Differentiate between http and html.

11. What is Gopher?

12. Define Web Bowser with examples.

(10×1=10)

Part B

*Answer any **six** questions.*

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

13. What are the different network design models? Explain.

14. What are the uses of computer network? Explain.

15. Draw and explain the Hybrid topology with a ring backbone and three bus networks.

16. What is data multiplexing? Briefly explain TDM.

17. Explain Data Link Layer and Network Layer.

18. What are the responsibilities of session layer?

19. Write a short note on protocols used in application 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 transmission mode? What are the different transmission modes?

23. Explain data multiplexing with various multiplexing techniques.

24. Explain the TCP/IP reference model with a neat sketch.

25. Explain WWW architecture and its basic components.

(2×10=20)