B.Sc.DEGREE(CBCS)EXAMINATION, DECEMBER 2018

First Semester

B.Sc Physics Model II Computer Applications

Vocational Course - CA1VOT02 - COMPUTER NETWORKS & INTERNET TECHNOLOGIES

2018 Admission only

35687F05

Maximum Marks: 60   **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. What is data communication?

2. What is peer-to-peer model?

3. Give any two uses of computer network.

4. Why are fibre optic cables better than twisted pair and coaxial cables?

5. What are the functions of repeaters in a network?

6. What is TDM?

7. What are the responsibilities of Network Layer?

8. Name is services provided by application layer.

9. What is the use of application layer?

10. Define a Router.

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 advantages of computer network? Explain.

14. What is the difference between half dulex and full duplex?

15. Explain bus topology with its advantages and disadvantages.

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16. Write a short note on FDM.

17. With a neat diagram explain the relationship of IEEE Project to the OSI model.

18. Explain the responsibilites of transport layer.

19. Discuss the major functions performed by the Presentation layer and Application layer of the ISO OSI model.

20. What makes internet an unavoidable service of the present day?

21. Briefly discuss about Domain Name Servers?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. What is computer network? What are the different types of computer network? Explain.

23. What is transmission media? Briefly explain unguided media with examples.

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)