

QP CODE: 19103046



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Reg No

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Name

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Elucana Th

**B.Sc.DEGREE (CBCS) EXAMINATION, NOVEMBER 2019**

**First Semester**

B.Sc Physics Model II Computer Applications

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

2017 Admission Onwards

9A16F023

Time: 3 Hours

Maximum Marks :60

**Part A**

*Answer any ten questions.*

*Each question carries 1 mark.*

1. Give any two applications of computer network.
2. What is data communication?
3. What is client-server model?
4. Define UTP?
5. What is mesh topology?
6. What are the advantages of multiplexing?
7. What is protocol data unit?
8. Name is services provided by application layer
9. What is the use of application layer?
10. Define WWW.
11. Differentiate between http and html.
12. Define Web Bowser with examples.

(10×1=10)

**Part B**

*Answer any six questions.*

*Each question carries 5 marks.*

13. what is transmission mode? What are the different transmission modes?





14. What are the uses of computer network? Explain.
15. Explain the concepts of different wireless transmission media?
16. What is data multiplexing? Briefly explain TDM and WDM?
17. write short notes on responsibilities of datalink layer
18. what are the responsibilities of session layer
19. Compare the performance of TCP/IP and ISO/OSI reference model
20. Briefly explain the working of SMTP
21. Explain FTP.

(6×5=30)

### Part C

*Answer any two questions.*

*Each question carries 10 marks.*

22. Explain the following terms: 1) LAN 2) MAN 3) WAN 4) VAN
23. Briefly explain the different network devices and communication equipments used in computer network?
24. What are the responsibilities of each layers in ISO OSI Model
25. Differentiate between TELNET and Gopher. Briefly explain their uses in computer networks.

(2×10=20)