

E 8367

(Pages : 2)

Reg. No.....

Name.....

B.Sc. DEGREE (CBCS) EXAMINATION, JANUARY/FEBRUARY 2018

First Semester

Physics—Model II

Vocational—COMPUTER NETWORKS AND INTERNET TECHNOLOGIES

(2017 Admissions)

Time : Three Hours

Maximum Marks : 60

Part A

*Answer any ten questions.
Each question carries 1 mark.*

1. Define LAN and PAN.
2. What is meant by protocol ?
3. What is URL ?
4. List the components of data communication.
5. What are the functions of repeaters in a network ?
6. What do you mean by a peer-to-peer network ?
7. What do you mean by guided transmission media.
8. What is multiplexing ?
9. What is known as cladding ?
10. What is TCP/IP protocol suits ?
11. What are the features of internet ?
12. What is Gopher ?

(10 × 1 = 10)

Part B

*Answer any six questions.
Each question carries 5 marks.*

13. Discuss the various data transmission modes.
14. Explain the client-server architecture.
15. Explain the difference between circuit switching and packet switching.

Turn over

16. Differentiate between FDM and TDM.
17. Explain the features of hubs and switch.
18. Briefly explain the layer involved in encryption and description in OSI model.
19. Write notes on Email architecture.
20. Differentiate between file server and web server.
21. Write notes on WWW architecture.

(6 × 5 = 30)

Part C

Answer any two questions.

Each question carries 10 marks.

22. Explain the OSI model of network architecture giving details of functions of each layer.
23. Discuss in detail the various network devices.
24. Write in detail about network topology. Discuss any five of them.
25. Explain in detail about the transmission media. Use diagrams to explain each type.

(2 × 10 = 20)