



QP CODE: 19102229



19102229

Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Third Semester

B.Sc Computer Science Model III

COMPLEMENTARY COURSE - EL3CMT08 - ELECTRONICS - NETWORKING

FUNDAMENTALS

2017 Admission Onwards

C1340CCD

Maximum Marks: 80

Time: 3 Hours

Part A

*Answer any **ten** questions.*

Each question carries 2 marks.

1. How can network security be implemented?
2. What are the disadvantages of bus topology?
3. Briefly mention the duties of each OSI layers.
4. What is host-to-network layer in TCP/IP?
5. Which are the three parameters required for error code design?
6. Explain the Classful Addressing.
7. What is Hexadecimal colon notation in IPV6 address?
8. Explain distance vector routing.
9. Write the ports of UDP.
10. Define Sntp.
11. What is URL?
12. What is proxy server?

(10×2=20)

Part B

*Answer any **six** questions.*

Each question carries 5 marks.

13. Define internet and write a brief history on internet.





14. What is the function of a repeater?
15. Describe two different ways in which CRC algorithm can be described.
16. How can one's complement method used to overcome drawbacks in checksum calculation?
17. Explain in detail about character oriented Protocols.
18. Write a short note on Tunneling.
19. Explain in detail about any two forwarding techniques.
20. Explain multicast routing.
21. Explain distribution of name space.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. (a) Explain various criteria to be satisfied by a network? (b) Write notes on point to point and multipoint connections in a network.
23. Explain an error detection and correction technique with suitable example.
24. Give a detailed description on the types of Protocols used in Noisy Channel.
25. Explain the TCP connection establishment and connection termination.

(2×15=30)

