



21102127

QP CODE: 21102127

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, AUGUST 2021

Third Semester

B.Sc Computer Science Model III

COMPLEMENTARY COURSE - EL3CMT08 - ELECTRONICS - NETWORKING

FUNDAMENTALS

2017 Admission Onwards

799776D4

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is a multipoint connection?
2. What are the disadvantages of star topology?
3. What are the two main methods of error correction?
4. What is the minimum hamming distance for error detection?
5. What kind of errors are not detected by checksum?
6. What do you mean by the term Flow control?
7. What is the number of bits in an IPv4 and IPV6 address?
8. Explain the terms Routing and Forwarding.
9. What do you mean by a dynamic routing table?
10. Define Ftp.
11. Explain various uses of cookies?
12. Define HTTP.

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Compare LAN,MAN,WAN?
14. Define protocol. Describe the key elements of protocols.
15. Describe various types of addresses associated with TCP/IP layers.
16. With an example,implement CRC using polynomials.
17. Explain the Stop-and-wait Automatic Repeat Request Protocol.
18. Write a short note on RARP, BOOTP.
19. Discuss the ports of UDP and user datagram
20. Explain connection termination in TCP.
21. Explain the working of Domain name system.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. (a) Give a brief description on history of internet.
b) Write short notes o various standard organisations?
23. Citing suitable advantages and disadvantages of using a layered network architecture, explain reference model andits need.
24. Explain the structure and address space of IPv6 address.
25. Explain in detail routing protocols.

(2×15=30)

