



QP CODE: 18103533



Reg No :

Name :

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

Third Semester

B.Sc Computer Science Model III

COMPLEMENTARY COURSE - EL3CMT08 - ELECTRONICS - NETWORKING FUNDAMENTALS

2017 Admission Onwards

9EBA9CCF

Maximum Marks: 80

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **2** marks.

1. How is reliability of a network measured?
2. List the functions performed by a bridge?
3. What is block coding?
4. What are the advantages of cyclic codes?
5. Explain the concept of check sum?
6. What is Byte stuffing?
7. Compare unicast and multicast address
8. List some features of forwarding.
9. Write the ports of UDP
10. What are flat name space and hierarchical name space?
11. Define Telnet.
12. Explain about Http response message format?

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Discuss bus and mesh topology. Compare them?
14. Differentiate a router and gateway.





15. What is OSI reference model?
16. (a) Compare error detection and correction. (b) List error detection and correction techniques.
17. Write a short note on Go-Back-N Repeat Request protocol
18. Explain NAT in detail.
19. Give an account of routing protocol, discuss multicast link state routing
20. Write a short note on TCP features
21. What are Cookies? Explain the creation and storage of Cookies?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Describe a computer network and explain different types of networks and their functions?
23. With suitable figure, explain TCP/IP protocol suite?
24. Explain in detail how to map logical to physical address with ARP.
25. Explain in detail the types of routing tables

(2×15=30)

