

Reg No	•	•••••
Name	•	•••••

BSc/BCA DEGREE (CBCS) EXAMINATION, FEBRUARY 2020

Fifth Semester

Core Course - CS5CRT12 - COMPUTER NETWORKS

B.Sc Information Technology Model III, Bachelor of Computer Application

2017 Admission Onwards

ACEA3771

Time: 3 Hours

Maximum Marks :80

Part A

Answer any ten questions. Each question carries 2 marks.

- 1. Write a note about TCP/IP protocol suite
- 2. Explain time and frequency domain
- 3. Define multiplexing.
- 4. Define transmission medium.
- 5. Differentiate sky propagation and line of sight propagation.
- 6. Diffrentiate the terms dataword and codeword.
- 7. Explain how througput is calculated in pure ALOHA.
- 8. Explain the format of Ethernet address.
- 9. Find the class of the given IPv4 addresses a) 192.35.101.8 b)129.10.7.25
- 10. What is meany by abbreviation in IPv6 addressing?
- 11. Distinguish between connection oriented and connectionless services?
- 12. Define country Domain

 $(10 \times 2 = 20)$



Part B

Answer any six questions.

Each question carries 5 marks.

- 13. Write down the steps of analog to analog conversion
- 14. Define BPSK
- 15. Explain FHSS in detail.
- 16. Explain various functions of Data Link Layer.
- 17. What is hands off? Differentiate hard handoff and soft handoff.
- 18. Write short notes on routers.
- 19. Distinguish between window policy and acknowledgement policy
- 20. Explain FTP
- 21. Explain the different section of Domain Name Space

(6×5=30)

Part C

Answer any **two** questions. Each question carries **15** marks.

- 22. Categories the basic topologies in terms of line configuration
- 23. Explain about packet switching.
- 24. Explain (i) Stop-and-Wait Automatic Repeat Request(ii) Go-Back-N Automatic Repeat Request
- 25. Explain about IPV6 header format

 $(2 \times 15 = 30)$