



QP CODE: 22100010



Reg No :

Name :

**B.Sc/BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,
JANUARY 2022**

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

Common for B.Sc Information Technology Model III & Bachelor of Computer Applications

2017 Admission Onwards

1BAFBF0F

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What do you mean by periodic signal?
2. Explain shift keying in analog transmission.
3. What are the merits and demerits of radio waves?
4. What is meant by switched network? What are the different types of switching techniques?
5. Which are the different types of addressing in virtual circuit network?
6. Explain the importance of redundant bits in forward error correction.
7. What is a frame?
8. What is Vulnerable time?
9. What is a gateway?
10. Why supernetting is done in class C addresses?
11. What is queuing in UDP?
12. What are the three functional mode in FTP?

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. Write a note about the organization of layer.
14. Which are the transmission models used in data communication.
15. Describe Fibre Optic cable.
16. Explain sender side and receiver side algorithm for stop and wait protocol.
17. Explain the frame format in the bluetooth.
18. Describe about option field in IPV4.
19. Explain about Quality of Services.
20. Explain HTTP.
21. Explain Symmetric cryptography.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Write in detail about data communication.
23. What is TDM? Which are the two types of TDM? Explain with diagrams.
24. Explain various generations in Cellular telephony.
25. Explain the IPv6 address space and how it is differ from IPv4 address space?

(2×15=30)

