

**B.SC. DEGREE EXAMINATION, APRIL 2018**  
**III YEAR - VI SEMESTER**  
**Core Major Paper IX - COMPUTER NETWORKS**  
**Time : 3 Hours** **Max.marks :75**

**Section A** ( $10 \times 2 = 20marks$ )

Answer any **TEN** questions

1. Define computer networks.
2. Define communication satellites.
3. What is meant by flow control?
4. Define ARQ.
5. What is Point-to-Point protocol?
6. Define ALOHA.
7. What is Ethernet?
8. What is meant by flooding?
9. Define IP address format.
10. Define DNS.
11. Define remote procedure login.
12. What are the duties of transport layer?

**Section B** ( $5 \times 5 = 25marks$ )

Answer any **FIVE** questions

13. Write short notes the types of switching.
14. Explain Telephone Network Structure with diagram.
15. Explain the responsibilities of Data link layer.
16. Write short notes on IP Protocol.
17. Explain Token bucket algorithm is QOS.
18. Describe the elements of transport protocols.
19. Explain cryptography with its types.

**Section C** ( $3 \times 10 = 30marks$ )

Answer any **THREE** questions

20. Explain OSI reference model with diagram.
21. Describe the design issues of Data Link Layer.
22. Explain Multiple Access Protocols.
23. Discuss sliding window protocols.
24. Explain Electronic Mail.