



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, November 2015
(2008 Scheme)**

08.805 B : NETWORK PROGRAMMING (F)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Discuss about the design rules of ARP software.
2. Explain buffer management in network interface layer.
3. Write short note on ARP Cache Management.
4. Explain the IP Policy of selecting incoming datagram.
5. Write short note on datagram reassembly.
6. List the two styles of UDP demultiplexing.
7. What is silly window syndrome ?
8. What is count to infinity problem ?
9. Write short note on ICMP messages.
10. Explain the concept of timed delay after closing.

(10×4=40 Marks)

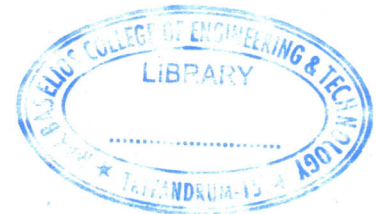
PART – B

Answer **any one** question from **each** Module.

Module – I

11. a) Write the procedure to broadcast an ARP request.
b) Explain in detail demultiplexing incoming packets.

OR



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12. a) Write the procedure to get the route for a given IP destination.
b) Explain in detail the process of sending one fragment of an IP datagram.

Module – II

13. a) Write short note on sequence space comparison.
b) Explain in detail congestion avoidance and control in TCP.

OR

14. Explain in detail how TCP process urgent data.

Module – III

15. a) Explain in detail Graphic theoretic model of OSPF.
b) Write short note on protocol characterization of RIP.

OR

16. a) Write the procedure to process a received RIP advertisement.
b) Write short note on designated router concept. **(3×20=60 Marks)**

