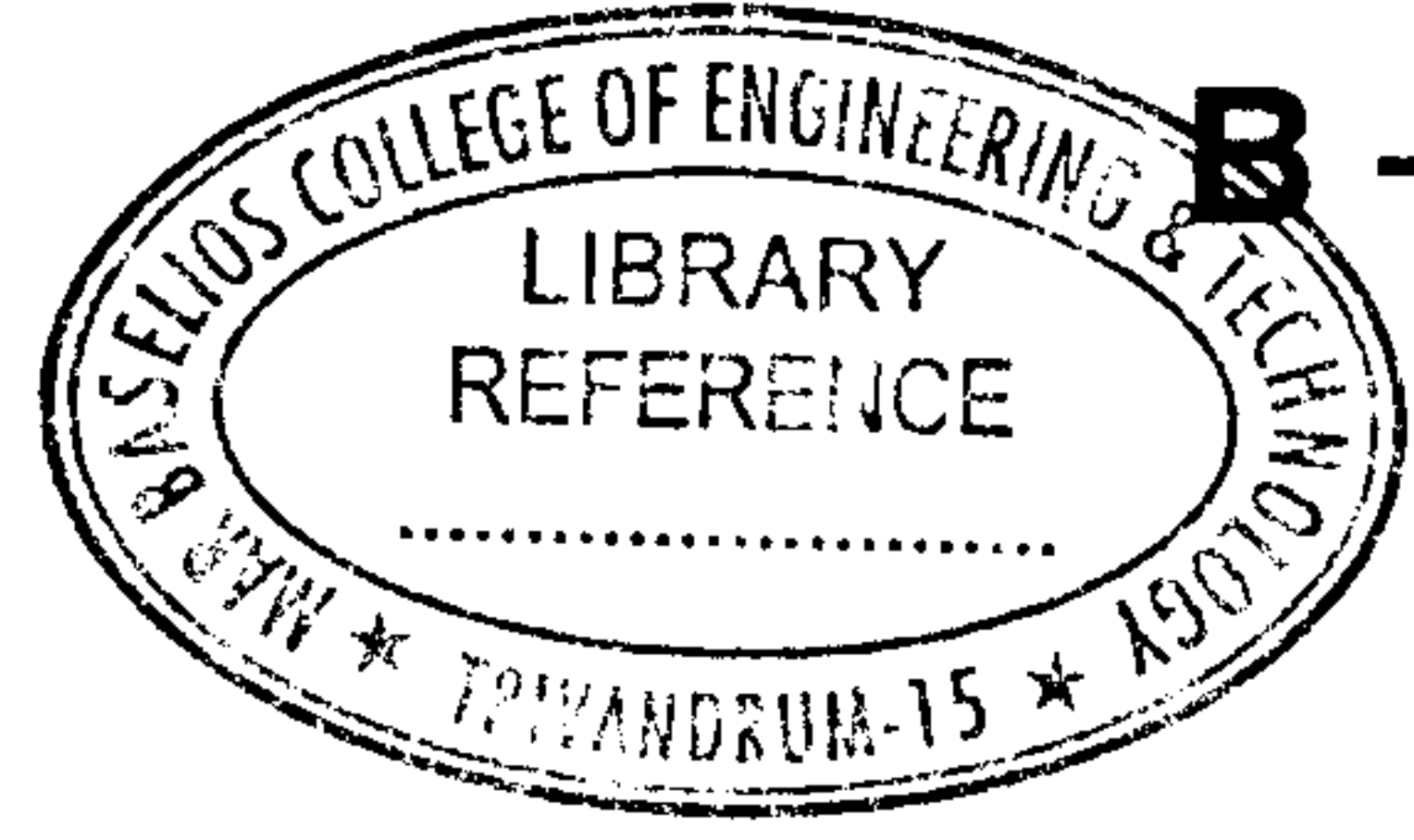




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**B – 5592**

Reg. No. : .....

Name : .....

**Sixth Semester B.Tech. Degree Examination, March 2017  
(2008 Scheme)**

**08.602 : COMPUTER NETWORKS (F)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions. **Each** question carries **4** marks.

1. What are the features of PPP ?
2. How does a token ring LAN operate ?
3. What is the significance of PAD field in Ethernet frame ?
4. Distinguish between circuit switching and packet switching.
5. How is subnetting done ?
6. What is the need for tunneling ?
7. How is NAT performed ?
8. Compare datagram subnet with virtual circuit subnet.
9. How is NAV used ?
10. What is MPLS ?

**(4×10=40 Marks)**

P.T.O.



## PART – B

Answer **any one** question from **each** Module. **Each** question carries **20** marks.

**Module – I**

11. a) Explain a sliding window protocol using selective repeat. 14  
b) Differentiate between connection oriented and connectionless services. 6
12. How are data link protocols used in Internet ? Explain. 20

**Module – II**

13. Explain how congestion control is done in computer networks. 20
14. a) How is link state routing implemented ? 15  
b) Explain about the modes of operation of IEEE 802.11. 5

**Module – III**

15. Explain and compare the different standards for voice over IP. 20
16. a) Explain the format of TCP header. Also discuss about the pseudo header included in TCP checksum. 14  
b) How is UDP used for implementing RPC ? 6

**(3×20=60 Marks)**

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