

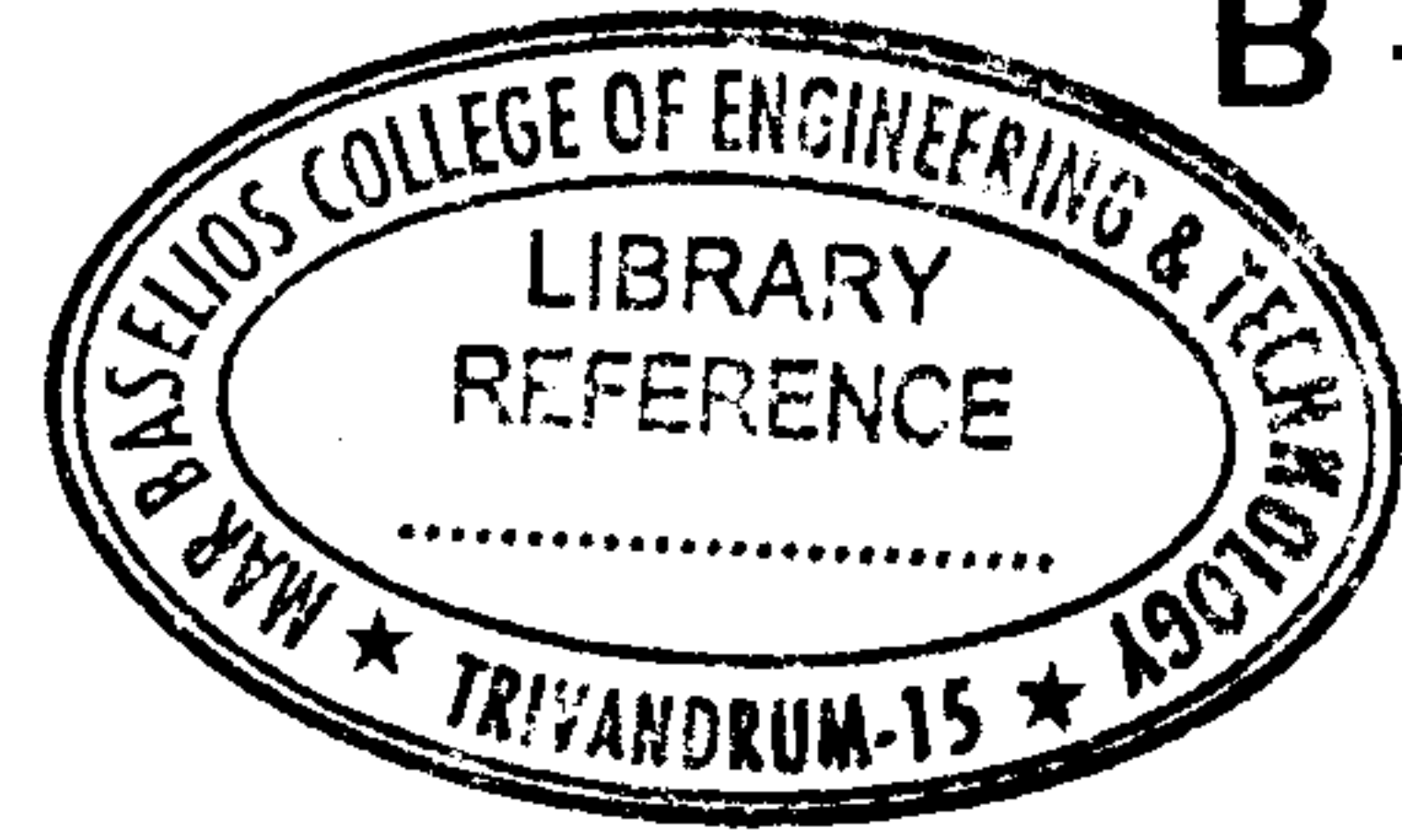


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B – 5348

Reg. No. :

Name :



**Seventh Semester B.Tech. Degree Examination, February 2017
(2008 Scheme)
08.702 : INTERNETWORKING (F)**

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. How is RARP useful ? Explain.
2. Mention the header structure for ICMP messages.
3. Compare UDP and TCP.
4. What is meant by classless internet addressing ?
5. How do you determine a limit on the group size for routing among autonomous systems ?
6. What advantages do you see in routing in OSPF over RIPv2 ?
7. Explain the lease release states of DHCP.
8. How does DNS map domain names to addresses ?
9. Differentiate between mail sent over SMTP and POP.
10. How does a server handle an HTTP get request ? (10×4=40 Marks)

P.T.O.



PART – B

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

Module – I

- 11. a) Explain ARP protocol and its functioning. 10
- b) What is the purpose of OPTION field in IP datagram ? Explain any 4 options. 10

OR

- 12. a) Explain the application of any five ICMP messages. 10
- b) How is the checksum calculated in UDP ? How does UDP handle zero checksum ? 10

Module – II

- 13. a) How is MPLS used ? 10
- b) What is BGP ? How is it implemented ? 10

OR

- 14. a) Explain the count-to-infinity problem. 10
- b) Explain OSPF routing protocol. 10

Module – III

- 15. a) Explain TELNET protocol. 10
- b) Explain how network induced jitter is handled. 10

OR

- 16. a) Explain RTP Protocol. 10
- b) Explain IMAP Protocol. 10

(3×20=60 Marks)