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Total No. of Questions: 07

B.Sc.(IT) (2013 & 2014) (Sem.-5)
COMPUTER NETWORKS
Subject Code: BS-305

Paper ID:[B0419]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION-A

1. Answer briefly:

- a) Discuss the role of signaling in data communication.
- b) Compare switches and routers.
- c) What is meant by token bus?
- d) List the role of packets.
- e) Discuss the use of circuit switching.
- f) How Virtual LAN is useful?
- g) Why RARP is required?
- h) Briefly list the benefits of CSMA/CD.
- i) What is the concept of ISDN?
- j) Write a short note on Slotted ALOHA.

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SECTION-B

Q2. Discuss the features of following topologies: a) Bus topology b) Tree topology Q3. What is the role of OSI model? Discuss the role of data link and network layer. Q4. Discuss the following: a) Addressing techniques b) Network components Q5. Compare the following: a) Wired and wireless networks. b) ARP and RARP. www.FiretRanker Q6. Discuss the use of protocols employed by session and transport layer. Q7. Write short notes on the following: a) PPP b) IPv4