

(Please write your Exam Roll No.)

Exam Roll No. 0391402020 u

END TERM EXAMINATION

FOURTH SEMESTER [BCA] MAY-JUNE-2013

Paper Code: BCA210

Subject: Computer Networks (New)

Time : 3 Hours

Maximum Marks :75

Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each unit.

1) 5x5=25

- a) Discuss different types of transmission impairments.
- b) List different types of connectors used for UTP, Coaxial, and Fiber-optic cabling.
- c) List important features of ISDN & broadband ISDN.
- d) Discuss packet switching.
- e) Discuss logical, physical, and port addressing.

UNIT-I

2) Discuss advantages and disadvantages of different types of network topologies. 12.5

3) What is DTE-DCE interface? Discuss V-series standards of MODEM. 12.5

UNIT-II

4) W.r.t TDM discuss the following: 12.5
i) Time slots and frames
ii) Interleaving
iii) Pulse stuffing

5) Compare and contrast byte stuffing and bit stuffing. Which technique is used in byte oriented protocols and bit oriented protocols. 12.5

UNIT-III

6) Discuss any four networking devices. 12.5
7) What is two-node loop instability problem in distance vector routing? Discuss its three solutions. 12.5

UNIT-IV

8) Describe different design issues for transport and session layers of OSI model. 12.5
9) Discuss the frame format of TCP segment and IP packet. 12.5

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