



RE-1885

Second Year B. C. A. (Sem. IV) Examination
May / June - 2008
Computer Network
(New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे द्वावेक निशानीवाणी विगतो कतरवडी पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :

Name of the Subject :

Subject Code No. : Section No. (1, 2,.....) :

Seat No. :

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Student's Signature

(2) Start new question from new page.

1 Do as Directed :

14

(a) Explain following terms with respect to Computer Network :

6

- (i) Server
- (ii) Broadcasting
- (iii) Topology
- (iv) IP address
- (v) Protocol
- (vi) MAN.

(b) Which are the various ways in which the wires can be run to link computers together ?

2

(c) How will you configure and test IP address ?

3

(d) Enlist protocols that work at application layer.

1

(e) Which layer of OSI model is responsible for Routing Packets ?

1

(f) What is multiple transport stack ?

1

2 Do as directed : (any **three**) 24

- (a) Write note on Co-axial and Twisted Pair Cable.
- (b) Write note on message servers.
- (c) Compare various client and server operating system.
- (d) Explain Physical and Logical Bus Apology. Also discuss advantages and disadvantages of it.
- (e) Explain OSI model.

3 Attempt following : (any **four**) 12

- (a) Write functionality of Data Link layer.
- (b) Write note on TCP/IP services.
- (c) Explain "Memory" feature of different OS.
- (d) Explain Mesh Topology.
- (e) Write note on Private-Key Encryption.
- (f) Write note on NIC.

4 Write notes on the following : (any **four**) 20

- (a) Goals of Network
- (b) Physical Layer
- (c) Firewall
- (d) Ethernet
- (e) Hub
- (f) Gateway