



**SB-1469**

**Second Year B. C. A. (Sem. IV) Examination**

**March / April – 2011**

**405 : Computer Network**

*(Old Course)*

Time : Hours]

[Total Marks :

**Instructions :**

(1)

नीचे दशावलि निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="S. Y. B. C. A. (Sem. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="405 : Computer Network (Old)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="6"/> <input type="text" value="9"/>	<input type="text" value="Student's Signature"/>
Section No. (1, 2,.....) : <input type="text" value="Nil"/>	

- (2) All questions are compulsory.  
(3) Figure on right indicate marks.

- 1 (a) Answer in brief (any five) 10
- (i) What is MAC layer ? What are its functions ?
  - (ii) What are the limitations of UTP and co-axial cable ?
  - (iii) What is server ? List out various servers available.
  - (iv) What is acknowledgement ? Why it is necessary in Computer Network ?
  - (v) List protocols that work at transport layer and Application Layer.
  - (vi) Explain LAN and WAN.
  - (vii) What do you mean by half duplex and full duplex communication ?
- (b) What is computer network ? Explain why networking is used ? Which are the disadvantages of stand-alone computer ? 6
- 2 Do as directed (any three) 15
- (a) Write note on application servers.
  - (b) Differentiate between TCP and UDP.
  - (c) Explain base band and broadband co-axial cable
  - (d) Explain the terms telecasting and multicasting.

- 3** Answer in detail (any four) **24**
- (i) Write a note on managing network bindings.
  - (ii) What are the differences between peer to peer and client-server network ?
  - (iii) Write a note on domain and work group.
  - (iv) Explain different transmission media used in computer network.
  - (v) Write a note on Firewall.
- 4** Write a short note (any three) **15**
- (i) Explain about different switching techniques.
  - (ii) Write down steps for installing and configuring NIC.
  - (iii) Compare Router and Bridge.
  - (iv) Digital signature.
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