



- (a) Layer-I                      (b) Layer-3                      (c) Layer-4                      (d) Layer-7
- i) Which of the following layer of OSI Model also called end to end layer?  
 (a) Presentation layer   (b) Network layer   (c) Session layer   (d) Transport layer
- j) Bridge works in which layer of the OSI Model?  
 (a) Application                      (b) Transport (c) Network (d) Data Link
- k) \_\_\_\_\_ Provides a Connection-Oriented reliable service for sending messages.  
 (a)TCP                      (b) IP                      (c) UDP                      (d) All of the above
- l) Each IP packet must contain \_\_\_\_\_  
 (a) Only source Address                      (b)Only Destination Address  
 (c) Source and Destination Address                      (d) Source or Destination Address
- m) Which of the following IP address class is multicast  
 (a) Class A                      (b) Class B                      (c) Class C                      (d) Class D
- n) LAN stands for \_\_\_\_\_  
 (a) Local Area Network                      (b) Local Access Network  
 (c) Local Arbitrary Network                      (d) None of these

**Attempt any four questions from Q-2 to Q-8**

- Q-2                      Attempt all questions                      (14)**  
 a) What is Networking ?Explain various Network Model in brief                      (7)  
 b) What is Network Services? Enlist Types of Network Services. Explain any two in brief.                      (7)
- Q-3                      Attempt all questions                      (14)**  
 a) Explain OSI Network Model in brief. (With Necessary Diagram)                      (14)
- Q-4                      Attempt all questions                      (14)**  
 a) What is Topology? Explain Star topology in brief .                      (7)  
 b) Write a brief note on “Switch Device”.                      (7)
- Q-5                      Attempt all questions                      (14)**  
 a) Write a brief note on “Transmission Control Protocol(TCP)”                      (10)  
 b) Write a short note on “Internet Protocol(IP)”.                      (04)
- Q-6                      Attempt all questions                      (14)**  
 a) What is Cable? Explain Coaxial cable in brief.                      (7)  
 b) Write a short note on “Mesh Topology”.                      (7)
- Q-7                      Attempt all questions                      (14)**  
 a) Explain LAN, WAN with diagram.                      (8)  
 b) Write a Short note on “HUB Device”.                      (6)
- Q-8                      Attempt all questions                      (14)**  
 a) What is Windows-NT? Write down the various steps to install windows-NT.                      (7)  
 b) What is Ad-hoc Network? Explain in brief.                      (7)

