

- a) open system interconnection b) operating system interface
 c) optical service implementation d) none of the mentioned
- 8) The OSI model has _____ layers.
 a) 4 b) 5
 c) 6 d) 7
- 9) The functionalities of presentation layer includes
 a) Data compression b) Data encryption
 c) Data description d) All of the mentioned
- 10) Which address identifies a process on a host?
 a) physical address b) logical address
 c) port address d) specific address
- 11) In the OSI model, as a data packet moves from the lower to the upper layers, headers are _____
 a) Added b) Removed
 c) Rearranged d) None of the mentioned
- 12) The network layer concerns with
 a) bits b) frames
 c) packets d) none of the mentioned
- 13) Which one of the following task is not done by data link layer?
 a) framing b) error control
 c) flow control d) channel coding
- 14) The number of layers in Internet protocol stack
 a) 5 b) 7
 c) 6 d) None of the mentioned

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

Q-2 Attempt all questions

- a) What is network? Explain types of network. **07**
 b) Write down the objectives of the network. **07**

Q-3 Attempt all questions

- a) Explain network configuration model. **07**
 b) What is data communication? Explain components of data communication. **07**

Q-4 Attempt all questions

- a) List down the guided media. Explain Twisted Pair cable with figure. **07**
 b) Explain fiber optic cable with figure. **07**



- Q-5 Attempt all questions**
- a) Explain TCP/IP protocol suite with proper diagram. **07**
 - b) List down the unguided media. Explain any one in brief. **07**
- Q-6 Attempt all questions**
- a) What is internet? Differentiate internet and intranet. **07**
 - b) Explain Dial-up and leased line internet connection. **07**
- Q-7 Attempt all questions**
- a) List down types of transmission modes. Explain in brief. **07**
 - b) Explain network and transmission layer of OSI model. **07**
- Q-8 Attempt all questions**
- a) List down types of data flow modes. Explain in brief. **07**
 - b) Explain Physical and Data Link Layer of OSI model. **07**

