



# SRI RAMAJAYAM GLOBAL SENIOR SECONDARY CBSE SCHOOL

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## Chapter -10 (30.04.2020)

STD: XII

TIME: 01.30 Hr

SUBJECT: COMPUTER SCIENCE

TOTAL MARKS: 50

### Objective Type Questions

### O T Q s

#### Multiple Choice Questions

16x1=16

- Two devices are in network if
  - a process in one device is able to exchange information with a process in another device
  - a process is running on both devices
  - the processes running of different devices are of same type
  - none of the mentioned
- What is a stand alone computer ?
  - A computer that is not connected to a network
  - A computer that is being used as a server
  - A computer that does not have any peripherals attached to it
  - A computer that is used by only one person
- Central Computer which is powerful than other computers in the network is called as \_\_\_\_\_.
  - Client
  - Server
  - Hub
  - Switch
- Network in which every computer is capable of playing the role of a client, or a server or both at same time is called
  - peer-to-peer network
  - local area network
  - dedicated server network
  - wide area network
- In peer-to-peer network, each computer in a network is referred as
  - server
  - client
  - peer
  - sender
- Which transmission media is capable of having a much higher bandwidth (data capacity) ?
  - Coaxial
  - Twisted pair cable
  - Untwisted cable
  - Fibre optic
- Which type of transmission media is the least expensive to manufacture?
  - Coaxial
  - Twisted pair cable
  - CAT cable
  - Fibre optic

8. Which of these components is internal to a computer and is required to connect the computer to a network ?
  - (a) Wireless Access Point
  - (b) Network Interface card
  - (c) Switch
  - (d) Hub
9. A device that forwards data packet from one network to another is called a
  - (a) Bridge
  - (b) Router
  - (c) Hub
  - (d) Gateway
10. Which of the following is the fastest media of data transfer ?
  - (a) Co-axial Cable
  - (b) Untwisted Wire
  - (c) Telephone Lines
  - (d) Fibre Optic
11. Hub is a
  - (a) Broadcast device
  - (b) Unicast device
  - (c) Multicast device
  - (d) None of the above
12. Switch is a
  - (a) Broadcast device
  - (b) Unicast device
  - (c) Multicast device
  - (d) None of the above
13. The device that can operate in place of a hub is a :
  - (a) Switch
  - (b) Bridge
  - (c) Router
  - (d) Gateway
14. A repeater takes a weak and corrupted signal and \_\_\_\_\_ it.
  - (a) Amplifies
  - (b) Regenerates
  - (c) Resembles
  - (d) Reroutes
15. Which of the following is not a type of cloud ?
  - (a) Private
  - (b) Public
  - (c) Protected
  - (d) Hybrid
16. Which of the following is correct statement for IoT ?
  - (a) It is a collection of networks
  - (b) It is a collection of protocols
  - (c) It is network of physical objects or "things" embedded with chips, sensors etc.
  - (d) None of these

### Fill in the Blanks

12x1=12

1. A computer network that spans a relatively large geographical area is called \_\_\_\_\_.
2. WAN stands for \_\_\_\_\_.
3. Wired networks use an access method called \_\_\_\_\_.
4. Wireless networks use an access method called \_\_\_\_\_.
5. \_\_\_\_\_ is a protocol which allows users to download E Mail messages from mail server to a local computer.
6. \_\_\_\_\_ is a protocol that allows to send/upload email message from local computer to an email server.
7. A network of networks is known as \_\_\_\_\_.
8. In a network, a machine is identified by unique address called \_\_\_\_\_.

9. The physical address assigned by NIC manufacturer is called \_\_\_\_\_ address.
10. A MAC address consumes \_\_\_\_\_ bytes or \_\_\_\_\_ bits.
11. \_\_\_\_\_ is an example of Public cloud. [CBSE Sample Paper 2019-20]
12. \_\_\_\_\_ is a network of physical objects embedded with electronics, software, sensors and network connectivity. [CBSE Sample Paper 2019-20]

#### True/False Questions

10x1=10

1. A LAN is connected to large geographical area.
2. A client is the computer that asks for the action in a network.
3. A computer is identified by 64 bit IP address.
4. Every object on the Internet has a unique URL.
5. A stand alone computer may also be referred to as host.
6. Big networks can be of peer-to-peer types.
7. MAC address is a 48 bit address.
8. A switch can work in place of a hub.
9. A gateway is like a modem.
10. The cloud is a generic term used for Internet.

#### Short Question Answer

6x2=12

1. What is Hub?
2. What are Routers?
3. What are major types of networks and explain?
4. What is the difference between Hub, Switch, and Router?
5. What are the enabling technologies of IoT systems?
6. What is a cloud? What is cloud computing?

\*\*\*All the Best\*\*\*