SATISH CHANDRA MEMORIAL SCHOOL

SUB : COMPUTER

CLASS : VIII (SESSION:2020-2021)

HOME ASSIGNMENT (CHP-1:NETWORKING CONCEPT)

**ANSWERS**

Q.1. A Computer Network is required for which of the following advantages?

(a) Resource sharing (b)File & Folder sharing (c)Ease of Communication (d)All of these

Q.2. A Computer Network is categorised in which of the following types?

(a) LAN (b)MAN (c)WAN (d)All of these

Q.3. A network between two mobile devices via Bluetooth is an example of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) PAN (b)LAN (c)MAN (d)WAN

Q.4. A network between connected computers within a building is an example of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) PAN (b)LAN (c)MAN (d)WAN

Q.5. A network between connected computers within a University Campus is an example of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) LAN (b)CAN (c)MAN (d)WAN

Q.6. A network between connected computers and network devices within city is an example of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) LAN (b)CAN (c)MAN (d)WAN

Q.7. A network between unlimited connected computers and network devices across the globe is an example

of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) LAN (b)CAN (c)MAN (d)WAN

Q.8. \_\_\_\_\_\_\_\_\_\_\_\_ is a layout pattern in which all computers are connected in a network.

(a) Topology (b) Protocol (c)Network Connectivity (d)None

Q.9.In which topology all computers are connected with a single backbone cable?

(a) BUS (b)TREE (c)RING (d)STAR

Q.10.In which topology all computers are connected with a central machine called HUB?

(a) BUS (b)TREE (c)RING (d)STAR

Q.11. In which topology all computers are connected with each-other and a physical ring of communication cable is

formed?

(a) BUS (b)TREE (c)RING (d)STAR

Q.12. Which computer topology provides us the most connected network?

(a) BUS (b)STAR (c)MESH (d)TREE

Q.13. Which computer topology network is totally controlled by a Root Computer (that is also considered as server

compute)?

(a) BUS (b)STAR (c)MESH (d)TREE

Q.14.Twisted pair cable is categorised into which of the following types?

(a) STP (b)UTP (c)both (a) & (b) (d)None

Q.15. Which category of STP cable is used in LAN?

(a) CAT 5 (b)CAT 6 (c)both (a) & (b) (d)None

Q.16.Which transmission channel is used to transmit signal at a higher data rate for both baseband and broadband

communication in MAN?

(a) Optical Fibre (b)Co-axial Cable (c)Twisted Pair Cable (d)None

Q.17.Which Transmission medium is used to send data signal in form of light through networks in WAN?

(a) Optical Fibre (b)Co-axial Cable (c)Twisted Pair Cable (d)None

Q.18.Infrared wave, microwave, radio wave, Wi-Fi or Wi-MAX these all are examples of\_\_\_\_\_\_\_\_\_\_\_\_.

(a) Wired Transmission Media (b)Wireless Transmission Media (c)both (a) & (b) (d)None

Q.19. Which of the following Wireless Transmission Media is used to connect a wireless mouse with computer?

(a) Infrared wave (b)radiowave (c)microwave (d)None

Q.20. Which of the following Wireless Transmission Media provides unidirectional line of sight communication?

(a) Infrared wave (b)radio wave (c)microwave (d)None

Q.21. Which of the following Wireless Transmission Media provides omni-directional communication where sender and

receiver antenna may not be aligned ?

(a) Infrared wave (b)radio wave (c)microwave (d)None

Q.22. Which of the following Wireless Transmission technology uses radio wave to connect two mobile devices in a short

distance(30 feet approx.)?

(a) Wi-Fi (b)WiMAX (c)Bluetooth (d)None

Q.23. Which of the following Wireless Transmission technology uses radio wave to connect any digital devices in a short

area called hotspot (300 feet approx.)?

(a) Wi-Fi (b)WiMAX(c)Bluetooth (d)None

Q.24.\_\_\_\_\_\_\_\_\_\_\_\_technology is similar to WiFi, but it operates at higher speeds and can cover greater distances and

greater number of users as compared to WiFi.

(a) Wi-Fi (b)WiMAX(c)Bluetooth (d)None

Q.25. Some Rules and Regulation those are maintained to connect and communicate computers within networks are

called \_\_\_\_\_\_\_\_\_\_\_.

(a)Topology (b) Protocol (c)Anti-virus (d)None.

Q.26. Which protocol is used to send web pages from web servers to multiple connected computers across internet?

(a) HTTP (b) TCP (c)IP (d)None.

Q.27. Which protocol is used to established a dedicated route between two communicating computers and to divide

a message into data packets and to send data packets through that route?

(a)HTTP (b) TCP (c)IP (d)None.

Q.28. Which protocol is responsible to add sender and receiver computer address to each data packet so that they

can be transmitted from specific sender to receiver computer?

(a)HTTP (b) TCP (c)IP (d)None.

Q.29. \_\_\_\_\_\_\_\_\_\_ is a network device that is fabricated with computer mother board and is used to connect the

computer to internet/network via network or LAN cable with RJ45 jack.

(a)Switch (b)Hub (c)NIC (d)Router

Q.30. NIC of a computer that has a ROM chip which contains a 48 bit address is called \_\_\_\_\_\_\_\_\_\_\_\_.

(a)IP Address (b)MAC Address (c)Computer Address (d)None

Q.31. \_\_\_\_\_\_\_\_\_\_ is a Network device which is a non-intelligent device and which is used as a central machine

in STAR topology network to connect multiple device.

(a)Switch (b)Hub (c)NIC (d)Router

Q.32. \_\_\_\_\_\_\_\_\_\_\_ is a network device which is an intelligent device and connects multiple computers to form a LAN

and can remember connected computers’ address.

(a)Switch (b)Hub (c)NIC (d)Router

Q.33. \_\_\_\_\_\_\_\_\_\_\_ is a network device which is the most intelligent network device and which is used to connects

multiple LANs together.

(a)Switch (b)Hub (c)NIC (d)Router

Q.34. \_\_\_\_\_\_\_\_\_\_\_ is a network device which is used in MAN after every 100 meters to re-boots, amplify and

Regenerate weak signal and to pass the signal forward.

(a)Switch (b)Hub (c) Repeater (d)Router

Q.35. \_\_\_\_\_\_\_\_\_\_\_ is a network device which is used to connect a computer/laptop to Internet and performs

modulation & de-modulation.

(a)Hub (b)Modem (c) Repeater (d)Router

Q.36. A \_\_\_\_\_\_\_\_\_ is a malicious program that spreads itself from one computer to another and interferes with the

normal operations of a computer.

(a)Worm (b)Trojan Horse (c) Virus (d)None

Q.37 A \_\_\_\_\_\_\_\_is a computer program that uses computer networks to send copies of itself to other computers

on a network and thus creates a easy access for others to access system.

(a)Worm (b)Trojan Horse (c) Virus (d)None

Q.38. A computer program that appears to be a useful software but actually causes damage once installed or executed

onto your computer system is known as a \_\_\_\_\_\_\_\_\_\_\_\_.

(a)Worm (b)Trojan Horse (c) Virus (d)None

Q.39. \_\_\_\_\_\_\_\_\_\_ is an unsolicited and unwanted mail that is sent over Internet typically to a large no. Of users, for the

purpose of advertising, phising and spreading malware.

(a)Worm (b)Trojan Horse (c) Virus (d)Spam

Q.40. \_\_\_\_\_\_\_\_\_\_\_ is an activity performed by hacker or cracker to steal information from one’s computer.

(a)Unauthorised Access (b)System Invading (c) Data Theft (d)None.

Q.41. \_\_\_\_\_\_\_\_\_\_ is a person who invades a system in intension of finding out the loop holes of the system and to

rectify the loop holes on behalf of the organisation.

(a)Hacker (b)Cracker (c)both (a) and (b) (d)None

Q.42. \_\_\_\_\_\_\_\_\_\_ is a person who invades a system in purpose of criminal intension to gain own profit by harming the

system.

(a)Hacker (b)Cracker (c)both (a) and (b) (d)None

Q.43.\_\_\_\_\_\_\_\_\_\_\_\_ software can be used to protect the computer from various types of malwares.

(a)Anti-spam (b)Anti-virus (c)Firewall (b) (d)None

Q.44. \_\_\_\_\_\_\_\_\_\_ is a software or hardware or combination of hardware & software that prevents all sorts of

unauthorised access to a system.

(a)Anti-spam (b)Anti-virus (c)Firewall (b) (d)None

Q.45. Which out of the following is/are address(s) of a computer connected with a network?

(a)IP Address (b)MAC Address (C)Both (a) and (b) (d)None

ANSWER:

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| Q.1. | Q.2. | Q.3. | Q.4. | Q.5. | Q.6. | Q.7. | Q.8. | Q.9. | Q.10. | Q.11. |
| Q.12. | Q.13. | Q.14. | Q.15. | Q.16. | Q.17. | Q.18. | Q.19. | Q.20. | Q.21. | Q.22. |
| Q.23. | Q.24. | Q.25. | Q.26. | Q.27. | Q.28. | Q.29. | Q.30. | Q.31. | Q.32. | Q.33. |
| Q.34. | Q.35. | Q.36. | Q.37. | Q.38. | Q.39. | Q.40. | Q.41. | Q.42. | Q.43. | Q.44 |
| Q.45 |  |  |  |  |  |  |  |  |  |  |