

Holiday Homework

Topic: Networking

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1	Ms. Taufiq Ahmed wants to prevent unauthorized access to/from his company's local area network. Write the name of a system (software/ hardware), which he should install to do the same
2	Beauty Lines Fashion Inc. is a fashion company with design unit and market unit 135 meters away from each other. The company recently connected their LANs using Ethernet cable to share the stock related information. But after joining their LANs, they are not able to share the information due to loss of signal in between. Which device out of the following should you suggest to be installed for a smooth communication? (i) UPS (ii) Modem (iii) Repeater
3	Which of the following is not a feature of Networking? (i) Resource sharing (ii) Uninterrupted power supply (iii) Reduced cost (iv) Reliability
4	Name any two Indian scripts included in Unicode.
5	Mr. Jayanto Das is confused between Shareware and Open source software Mention at least two points of differences to help her understand the same.
6	Identify the type of Topology from the following: (i) If each node is connected with the help of independent cable with the help of a central switching (communication controller) (ii) If each node is connected with the help of a single co-axial cable
7	Define the following with reference to Threats to Network Security. (i) Trojan Horse (ii) Worm
8	Mrs Ruchi is planning to connect all the 15 computers in her office to make a LAN. Suggest an intelligent network device to connect all the nodes
9	Mrs reshma wants to send/receive e-mail over TCP/IP networks (internet).Which protocol she can use for this purpose?
10	An Internet Service Provider has a network within a city area. Which type of network is it?
11	Which transmission technology can we use for connecting two countries over an ocean? answer
12	What is the difference between free software and freeware?
13	Mrs Kamini is not clear about the wireless and wired media of communication kindly describe it to her with suitable example.
14	What is DOS(Denial of Service) attack ? Explain briefly.
15	A company has 3 departments namely Administrative, Sales, Production. Out of telephone cable, Optical Fiber, Ethernet Cable, which communication medium is best for high speed communication between departments?
16	Name one open source Indian operating system.
17	What is the purpose of a Server in a network?
18	What do the following top level domains signify? (i) .com (ii) .org
19	List 2 measures to secure a network.
20	Distinguish between MAC address and IP address with the help of example of each.

21	Distinguish between Phonetic text entry and keymap based entry of typing Indian language text.
22	A school with 20 stand-alone computers is considering networking them together and adding a server. State 2 advantages of doing this.
23	Distinguish between LAN and WAN.
24	What is the purpose of Modem in network?
25	Write one example of IP Address.
26	Define 'Domain Name Resolution'.
27	Name two threats to security in a network. What is the role of Firewall in Network security?
28	Write one advantage and one disadvantage of Open Source software over Proprietary software.