

KV BSF GANDHINAGAR

Revision Worksheet -01

Computer Network

Subject: Computer Science

1	Virus that fool a user into downloading and /or executing them by pretending to be useful applications are also sometimes called (i) Crackers (ii) Key loggers (iii) Trojan Horse (iv) Worm <input data-bbox="1174 439 1477 495" type="text"/>
2	What is the most common way to get a virus in your computer's hard disk a. By opening emails b. By uploading pictures from mobile to PC c. By installing games from CD-ROM d. None of the above <input data-bbox="1174 566 1477 622" type="text"/>
3	What is the software called which when get downloaded on computer scans your hard drive for personal information and your internet browsing habits? a. Malware b. Antiware c. Backdoors d. Spyware <input data-bbox="1174 763 1477 819" type="text"/>
4	Unwanted commercial email is known as _____ <input data-bbox="1174 875 1477 931" type="text"/>
5	When a person is harassed repeatedly by being followed, called or be written to he/she is a victim of <input data-bbox="1174 965 1477 1021" type="text"/>
6	Which types of network security protocol ensure data is transferred in encrypted form to keep it secure from eavesdropper and cannot be stolen? <input data-bbox="1174 1066 1477 1122" type="text"/>
7	Expand the following terms: a) VoIP b) PPP c) XML d) WLL <input data-bbox="839 1155 1493 1435" type="text"/>
8	What are the 2 main security concerns with Cookie? <input data-bbox="839 1469 1493 1749" type="text"/>
9	What is the difference between HTML and XML? <input data-bbox="280 1816 1493 2018" type="text"/>

10 Differentiate between Circuit switching and packet switching?

11 Differentiate between Star and Ring Topology?

12 Case Study based questions

Great Studies University is setting up its Academic schools at sunder Nagar and planning to set up a network. The university has 3 academic schools and one administration center as shown in the diagram below:



Center to center distance between various buildings is as follows:

Law School to Business School	60m
Law School to Technology School	90m
Law School to Admin Center	115m
Business School to Technology School	40m
Business School to Admin Center	45m
Technology School to Admin Center	25m

Number of computers in each of the schools/Center is follows:

Law School	25
Technology School	50
Admin Center	125
Business School	35

- (i) Suggest the most suitable place (i.e. School/Center) to install the server of this university with suitable reason
- (ii) Suggest an ideal layout for connecting these school/center for a wired connectivity
- (iii) Which device will you suggest to be placed/installed in each of these school/center to efficiently connect all the computers within these school/center?
- (iv) The university is planning to connect its admission center in the closest big city, which is more than 350 KM from the University. Which type of network out of LAN, MAN, WAN will be formed? Justify your answer.

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Revision Worksheet -02

Computer Network

Subject: Computer Science

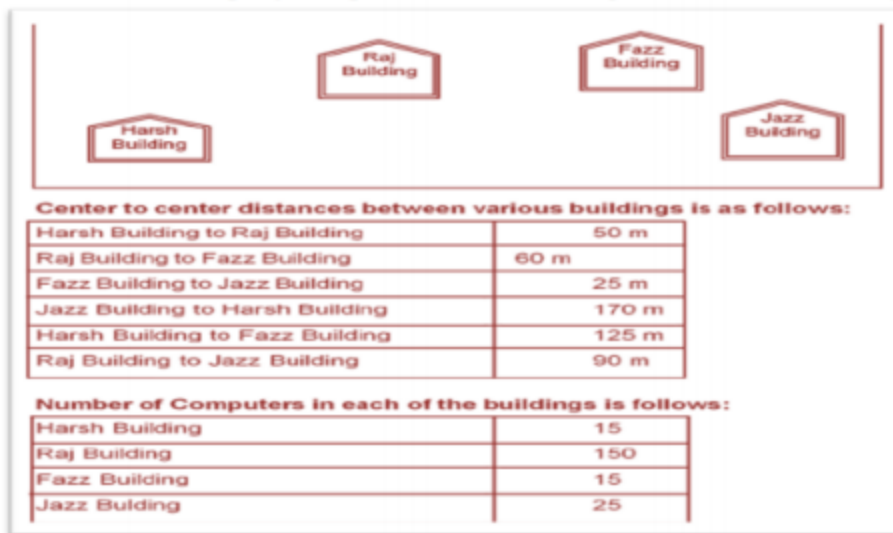
1	<p>_____ are often delivered to a PC through an email attachment & are often designed to do harm</p> <p>(i) Email Message (ii) Virus (iii) Spam (iv) Portals</p> <input data-bbox="1158 434 1474 488" type="text"/>
2	<p>_____ is the action of recording the keys struck on a keyboard, typically covertly, so that the person using the keyboard is unaware that their actions are being monitored?</p> <p>a. Spamming b. Key logging c. Denial of Service d. Exploits</p> <input data-bbox="1158 607 1474 660" type="text"/>
3	<p>Which type of Virus replicates itself and eats your entire disk space or network bandwidth?</p> <p>a. Trojan Horse b. Adware c. Worm d. Spamming</p> <input data-bbox="1158 819 1474 873" type="text"/>
4	<p>Rohan, an executive in a multinational company, one day when he logged in to check emails he found lots of commercial promotional emails are there and he is not able to track the useful mails and it is taking too much of time also his time killed in deleting those mails. What kind of attack Rohan is facing?</p> <input data-bbox="1158 1025 1474 1079" type="text"/>
5	<p>_____ is a software/hardware of combination of both is used to block unauthorized access and allows only authorized user allowed by administrator.</p> <input data-bbox="1158 1122 1474 1176" type="text"/>
6	<p>Sohan is a social worker, one day he noticed someone is writing, insulting or demeaning comments on his post. What kind of Cybercrime Sohan is facing?</p> <input data-bbox="1214 1223 1474 1276" type="text"/>
7	<p>Expand the following terms:</p> <p>a) WWW b) MBPS c) CDMA d) TCP/IP</p> <input data-bbox="831 1339 1490 1615" type="text"/>
8	<p>What is Cybercrime? Give example of any 2 types of Cybercrime?</p> <input data-bbox="293 1671 1485 1899" type="text"/>

9 What is domain name, explain with example?

10 Differentiate between Radio waves and micro waves communication:

11 Differentiate between Bus and Star Topology?

12 Ravya industries has setup its new center at kakadeo nagar for its office and web based activities. The company compound has 4 buildings as shown in the diagram below:



- (i) Suggest the most suitable place (i.e. School/Center) to install the server of this university with suitable reason
- (ii) Suggest an ideal layout for connecting these school/center for a wired connectivity
- (iii) Suggest the placement of following devices with suitable reason:
 - (a) Internet Connecting Device/ Model
 - (b) Switch
- (iv) The organization is planning to link its sale counter situated in various parts of the same city, which type of network out of LAN, MAN or WAN will be formed? Justify your answer