BOOLEAN **NETWORKING**
REVISION TOUR
Assignment Class XII Computer Science (083)

Set 1
.1. What are repeaters? | 2. What is a bridge? | 3. What are Routers ? | 4. What are Routers?
5. Compare coaxial and optical fiber cable.
6. Write two advantages and two disadvantages for STAR topology.
7. What is the difference between Message Switching technique and Packet Switching technique?
8. What is the significance of Cyber law ?
9. What is the difference between STAR topology and BUS topology of network?
10. What was the role of ARPANET in Computer Network ?
11. Differentiate between packet switching and message switching technique in network communication.
12. What out of following , will yu use to have an audio-visual chat with an expert sitting in a faraway place to fix-upa technical issue? (i) VoIP   (ii)email   (iii)FTP
13. Define the term Bandwidth. Give unit of Bandwidth.
14. What is the significance of ARPANET in the network?
15. Compare any two Switching techniques.

Set 2
1. What is the difference between LAN and MAN?
2. What is the purpose of using FTP?
3. What is the purpose of using a MODEM ?
4. What do you understand by a backbone network?
5. Write one difference between coaxial and optical cable.
6. Expand the following terminologies :
 (i) TCP/IP   (ii) XML (iii) CDMA   (iv) WLL (v)   GSM   vi CDMA (vii)HTML viii XML   (ix) CDMA (x) GSM
7. Expand the following terms with respect to Networking :   (i) CDMA   (ii) FTP(iii) WLL   (iv) HTML
8. Expand the following abbreviations:
9. Which of the following is not a unit for data transfer rate ?   (i) bps   (ii) abps(iii) gbps   (iv) kbps
10. Differentiate between BUS and STAR topology of networks.
11. Which of the following is not a Client Side script: (i) VB Script (ii) Java Script (iii) ASP   (iv) PHP

Set 3
Q1.
(a) Define the term Bandwidth. Give any one unit of Bandwidth.
(b) Difference between PAN and LAN.
(c) What is iMAP?
(d) Compare VB Script and ASP.
(e) Ease and West Public Ltd has decided to network all its offices spread in five building as shown below:

The distance between various buildings is as follows:

Building 1 to Building 2	20m
Building 3 to Building 5	70m
Building 2 to Building 3	50m
Building 1 to Building 5	65m
Building 3 to Building 4	120m
Building 2 to Building 5	50m
Building 4 to Building 5	30m

Number of Computers in each building:

Building 1	40
Building 2	45
Building 3	110
Building 4	60
Building 5	70

(i)   Suggest a cable layout for connecting all the buildings together.
(ii) Suggest the most suitable building to install the server of the organization with a suitable reason.
(iii) Building 3 is used for many critical operations. It is tried that PC gets maximum possible bandwidth.

Which network device is/should be used for this?

(iv) The organization also has another office in same city but at a distant location about25-30 Km away. How can link be established with building 1. (Suggest the transmission media).

(f) Difference between Virus and Trojan

(g) Expand FSF and GNU.

Q.2

(a) What is the difference between Bridge and Router ?

(b) Differentiate the following : TDMA and CDMA,FOSS and OSS.

(c) What is the Difference between Freeware and Shareware.

(d) Define and explain Cyber Law.

(e) The Ever Mind organization has set up its new branch at Amritsar for its office and web based activities. It has 4 wings of buildings which are as follows :

Center to center distances between various blocks

Wing X to Wing Z	40 m
Wing Y to Wing Z	60 m
Wing X to Wing Y	135 m
Wing Y to Wing U	70 m
Wing X to Wing U	165 m
Wing U to Wing Z	80 m

i) Suggest a most suitable cable layout of connection among the wings and topology.

ii) Suggest the most suitable place to house the server of this organization with a suitable reason with justification.

iii) Suggest the placement of the following devices with justification :a) Switch/Hub   b) Repeater

iv) The organization is planning to link its head office situated in Delhi with the offices as Amritsar. Suggest a way to connect it, the cost is not the factor.

(f) What is the difference between the Web Browser and Web Server? Give suitable example?

Q3. a. Define the term Bandwidth. Give any one unit of Bandwidth.

b.   When do you prefer XML over HTML and why?

c.   How firewall protect our Network?

d.   What is the importance of URL in networking?

e.   Integrated Electronics has set up its new center at Kaka Nagar for its office and web based activities. The company compound has 4 buildings as shown in the diagram below:

Center to center distances between various buildings is as follows:

Sigma Mall to Unity Building	50 m
Unity Building to Utility building	60 m
Utility Building to Forum Mall	25 m
Forum Mall to Sigma Mall	170 m
Sigma Mall to Utility Building	125 m
Unity Building to Forum Mall	90 m

Number of Computers in each of the buildings is follows:

Sigma Mall	15
Unity building	150
Utility Building	15
Forum Building	25

e1.   Suggest a cable layout of connections between the buildings.

e2.   Suggest the most suitable place (i.e. building) to house the server of this organization with a suitable reason.

e3.   Suggest the placement of the following devices with justification: (i) Internet Connecting Device/Modem(ii) Switch

e4.   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.

f.   Compare freeware and Shareware.

g.   How Trojan Horses are different from Worms? Mention any one difference.