21BSC5C6CSL

B.Sc. V Semester Degree Examination, Sept./Oct. - 2024
COMPUTER SCIENCE
DSC - 6 : Computer Networks
(NEP)

Time : 2 Hours   Maximum Marks : 60

Answer the following sub-questions. Each sub-question carries **one** mark.   **10x1=10**

1.   (a)   Define Topology.

(b)   What is Protocols ?

(c)   What is Switching ?

(d)   Define Multiplexing.

(e)   Expand PPP.

(f)   What is ALOHA ?

(g)   What is Ethernet ?

(h)   Write any two functions of Transport Layer.

(i)   Expand DNS.

(j)   Expand HTTP.

Answer **any four** questions. Each question carries **five** marks.   **4x5=20**

2.   What is Computer Network ? Explain types of Networks.

3.   Explain Packet Switching.

4.   Explain types of Error detection in Computer Network.

5.   Write a short note on user datagram protocol.

6.   Explain Token passing.

7.   Write an applications of Computer Network.

Answer **any three** questions.   Each question carries **ten** marks.   **3x10=30**

8.   Explain OSI reference model with neat diagram.

9.   Write a note on Circuit Switching.

10. Explain in detail about CSMA.

11. Explain the Architecture of Bluetooth.

12. Explain TELNET.

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