21BSC5C6CSL

B.Sc. V Semester Degree Examination, April/May - 2024
COMPUTER SCIENCE
DSC6 : 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 Computer Network.

(b) What are the major components of communication system ?

(c) Define Signal.

(d) State any two advantages of coaxial cable.

(e) What is point-to-point protocol ?

(f) Define Channelization.

(g) What is function of transport layer ?

(h) Expand :

(i) RCP

(ii) UDP

(i) What is the purpose of Domain Name system ?

(j) Define FTP.

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

2. Explain different network topologies.

3. Discuss functions of Physical Layer.

4. Write a short note on CSMA/CD.

5. Explain Circuit Switching.

6. Write a short note on Token Passing.

7. Write a short note on SMTP.

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

8.   Explain TCP/IP reference model with diagram.

9.   Discuss OSI reference model.

10.   Explain the different multiplexing techniques.

11.   Explain TELNET.

12.   Discuss Dynamic Host Configuration protocol.

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