

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year II Semester Regular & Supplementary Examinations June-2024
COMPUTER NETWORKS

(Common to CSE, CAD & CSM)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1 Examine the various Network topologies. Describe them with neat diagram. CO1 L3 12M

OR

2 a Explain about Transmission Impairment. CO1 L2 6M
b Explain about Propagation modes used in Unguided media of Physical layer. CO1 L2 6M

UNIT-II

3 a Explain Cyclic Redundancy check method used for error detection. CO2 L2 6M
b Describe about checksum in data link layer. CO2 L2 6M

OR

4 a Write about Slotted ALOHA protocol. CO2 L4 6M
b Explain in detail about Controlled access protocols which are Used in MAC sub layer. CO2 L4 6M

UNIT-III

5 a Calculate the Shortest Path Algorithm considering an example. CO3 L4 6M
b Explain Flooding concept. CO3 L2 6M

OR

6 a Examine Internet control protocols. CO4 L4 6M
b Write about BGP– Exterior Gateway routing protocol. CO3 L4 6M

UNIT-IV

7 a Summarize congestion control in transport layer. CO5 L2 6M
b Explain in detail about Remote Procedure Call. CO5 L2 6M

OR

8 Write in detail about performance issues of transport layer. CO4 L4 12M

UNIT-V

9 a List out the four main properties of HTTP. CO6 L1 6M
b Illustrate in detail about function and structure of e-mail protocol. CO6 L3 6M

OR

10 Write in detail about DNS Name Space and Domain Resource records. CO6 L4 12M

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