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

B.Tech III Year II Semester Supplementary Examinations February-2022
COMPUTER NETWORKS

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Compare Connection oriented and connectionless service. 6M
b Explain the design issues of layers. 6M

OR

- 2 Explain in detail about TCP /IP Network model. 12M

UNIT-II

- 3 a Explain about GO BACK N Protocol. 6M
b Discuss about Selective repeat Protocol. 6M

OR

- 4 a Write about Checksum error detection method with neat diagram. 6M
b Explain Internet checksum method. 6M

UNIT-III

- 5 a Explain distance vector routing algorithm. 6M
b Explain Token Bucket algorithm with neat diagram. 6M

OR

- 6 a Write about BGP – Exterior Gateway routing protocol. 6M
b Write about Internet control protocols. 6M

UNIT-IV

- 7 Discuss the various timers used by TCP to perform its various operations. 12M

OR

- 8 a Write about User Datagram Protocol (UDP). 6M
b Explain about the elements of transport layer. 6M

UNIT-V

- 9 a Explain about dynamic web pages. 6M
b Write about TELNET. 6M

OR

- 10 a Explain about function and structure of e-mail protocol. 6M
b Discuss about world wide web. 6M

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