

Reg. No:

--	--	--	--	--	--	--	--	--	--

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year I Semester Regular Examinations Feb-2021
COMPUTER NETWORKS

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a What do you mean by sliding window protocol? 6M
b Distinguish between Go-back-N protocol and selective repeat protocol. 6M

OR

- 2 Describe the working principle of carrier sense multiple access with collision detection (CSMA/CD). 12M

UNIT-II

- 3 Show the general principles of various congestion control algorithms. 12M

OR

- 4 Explain detailed about Flooding & Broadcast Routing Algorithms. 12M

UNIT-III

- 5 Describe IP protocol with IPv4 header format. 12M

OR

- 6 Explain details about Internet control protocols. 12M

UNIT-IV

- 7 a Discuss various flow control mechanisms in transport layer. 6M
b Discuss briefly about UDP. 6M

OR

- 8 a Write short notes on Transport layer. 6M
b How Transport layer supports the connections establish, releasing connection, flow control, buffering & crash recovery? 6M

UNIT-V

- 9 Explain in details about Network management system. 12M

OR

- 10 a Describe various characteristics of networks security. 6M
b Discuss briefly about RSA algorithm. 6M

***** END *****