Reg. No: ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester Supplementary Examinations August-2021
COMPUTER NETWORKS
(Computer Science & Information Technology)

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1	a	Illustrate about the Guided transmission Medias in computer networks.	6M
	b	Explain the functions and protocols and services of each layer.	6M

OR

2	Discuss the ISO-OSI model of computer network with a neat diagram	12M

UNIT-II

3	Explain MAC sub layer protocol and frame structure of IEEE 802.11.	12M

OR

4	Discuss about		6M
	a	GO BACK NARQ.	
	b	Selective repeat ARQ.	6M

UNIT-III

5	a	State the major difference between distance vector routing and link state routing.	6M
	b	How these routing techniques work.	6M

OR

6	Explain CSMA/CD protocol.	12M

UNIT-IV

7	Describe about		6M
	a	TCP connection management.	
	b	Avoidance of congestion in TCP.	6M

OR

8	a	Discuss the duties of transport layer.	6M
	b	Write short notes on performance issues of transport layer.	6M

UNIT-V

9	a	Explain the working of Electronic mail. How SMTP used in Email applications.	6M
	b	List and discuss the types of DNS records.	6M

OR

10	a	Explain the encryption and decryption methods.	6M
	b	Discuss Application layer in details.	6M

*** END ***