

Day and Date: Thursday,27/01/2022
Time: 11.00 am to 12.30 am

Seat No :

Max. Marks- 50

Instructions:

- i. All Questions are compulsory.
- ii. Figure to the right indicate full marks.
- iii. Give suitable general Instructions
- iv. Any other Course Specific Instructions.

BT	CO's	Q. No.	Marks	
		Q.1	Attempt the following	20 Marks
2	C205.1	a	What is Protocol? Explain TCP/IP protocol model with necessary diagram.	7
2	C205.1	b	What are the functions performed in data link layer?	7
2	C205.2	c	How classful addressing was designed? Explain Class A with example.	6
		Q.2	Attempt the following	15 Marks
2	C205.2	a	How link state packets are formed in link state algorithm? How these packets are distributed to all the routers in the subnet?	7
2	C205.2	b	What is classless addressing? How the variable length blocks are designed? OR If block of address given to the organization is 122.185.139.248/29. Find first address, last address and size of block?	8
		Q.3	Attempt the following	15 Marks
3	C205.3	a	What is congestion? Explain any three congestion prevention policies. OR Explain various factors responsible for congestion.	7
3	C205.3	b	What are the functions performed in transport layer?	8

