

Course Name: Fundamentals of Networking, Course Code: 201DSL205

**Day and Date: Wednesday, 25.01.2023**  
**Time: 10.00 am to 12.00 pm**

Seat No:

**Max. Marks- 50**

**Instructions:**

- All Question are compulsory.
- Figure to the right indicate full marks.

BT	CO's	Q. No.		Marks
		<b>Q.1</b>	<b>All Questions are compulsory</b>	<b>20</b>
2	CO2	a	Explain different levels of addresses used in an internet using TCP/IP Protocol ?	6
1,2	CO1	b	What do you mean by framing? Explain in details framing methods ?	7
5	CO2	c	If block of address given to the organization is <b>140.120.84.24/20</b> . Find first address, last address and size of block?	7
		<b>Q.2</b>	<b>All Questions are compulsory</b>	<b>10</b>
2	CO3	a	Explain Link state routing with example ? OR Explain Broadcast Routing algorithms in detail ?	4
1,2	CO1	B	What is congestion? Explain congestion prevention policies at Transport Layer?	6
		<b>Q.3</b>	<b>All Questions are compulsory</b>	<b>10</b>
1,2	CO3	a	Define UDP header format. Also explain the services provided by transport layer.	3
1,2	CO3	b	Explain Connection Establishment using three- way handshaking in TCP ? OR Explain TCP services in details ?	7
		<b>Q.4</b>	<b>Attempt any two out of three questions</b>	<b>10</b>
2,4	CO4	a	Draw & Explain DNS header format ?	5
2	CO4	b	Explain HTTP Request message format?	5
2	CO4	C	Explain in detail FTP & TFTP ?	5

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