BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION MO/2023)

CLASS: BCA   SEMESTER: V
BRANCH: BCA   SESSION: MO/2023

SUBJECT: CA303 COMPUTER NETWORKS

TIME: 02 Hours   FULL MARKS: 25

INSTRUCTIONS:
1. The question paper contains 5 questions each of 5 marks and total 25 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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			CO	BL
Q.1(a)	What are the components of computer network?	[2]	CO1	1
Q.1(b)	Discuss briefly about Network software.	[3]	CO1	2
Q.2(a)	Explain the concept of hybrid star bus network topology.	[2]	CO2	4
Q.2(b)	Write down the advantages of ring topology and mesh topology.	[3]	CO1	3
Q.3(a)	Write about the service primitives in the layered architecture of computer network.	[2]	CO1	1
Q.3(b)	Write a short note on the Internet layer of TCP/IP layered architecture.	[3]	CO3	2
Q.4(a)	What is User Datagram Protocol (UDP)?	[2]	CO1	2
Q.4(b)	Write briefly about the twisted pair cable transmission medium.	[3]	CO2	4
Q.5(a)	What are the Physical Layer services in computer network?	[2]	CO1	2
Q.5(b)	Differentiate between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) interface.	[3]	CO2	3

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