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Course Code: MCA-103

Course Name: Computer Network

Assignment - 1

(Based on Unit - I & II)

		Marks	BTL	CO
Q1.	Why do you need encoding of data before sending over a medium?	(4)	BT6	CO 1
Q2.	Analyze Iridium system and its working in terms of LEO satellite system. Give details on all the satellite networks	(4)	BT4	CO 1
Q3.	Station A uses 32-byte packets to transmit messages to Station B using a sliding window protocol. The round-trip delay between A and B is 80 milliseconds and the bottleneck bandwidth on the path between A and B is 128 kbps. What is the optimal size that A should use?	(4)	BT4	CO 2
Q4.	Judge the present system of communication with traditional one.	(4)	BT5	CO 4
Q5.	A group of N stations share a 56-kbps pure ALOHA channel. Each station outputs a 1000-bit frame on average once every 100 sec, even if the previous one has not yet been sent (e.g., the stations can buffer outgoing frames). What is the maximum value of N?	(4)	BT6	CO 2