Odd Term 2022-2023   29.11.22   Mid Semester Exam I

III Semester B.Tech (AIDS)

Course code- AIDS-2203   Course Name- Computer Networks

Time: 1 Hr. 30 Min.   Max Marks: 30

Instructions to Examinees
1. All questions are compulsory.
2. Assume suitable data wherever necessary.

Sr. No.		Question & Description	Marks	CO Bloom's Level
Q.1		Solve the following.	10	CO mapped
	[A]	Distinguish between OSI and TCP/IP model.	03	CO1 L2
	[B]	ABC Pvt. Ltd. Company's system administrator wants to design his/her own reference model for establishing network in his/her firm, determine and explain the different design issues he/she has to consider while designing own network.	07	CO1 L2
Q.2		Solve the following.	10	CO mapped
	[A]	Explain and justify the statement "Wires in twisted pair cable are twisted with each other"	02	CO3 L4
	[B]	Discuss various modes of propagation. Also explain microwave and infrared transmissions.	8	CO1 L2
Q.3		Solve the following.	10	CO mapped
	[A]	Analyse the scenario to transmit the message 11001001 using CRC method. Use the polynomial x^3+1 for long division to determine the message that should be transmitted. If error occurs at leftmost third bit of transmitted message, perform receiver side calculation to detect the error.	07	CO2 L4
	[B]	Explain the concept of Framing and its character count method.	03	CO3 L2