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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
III B.Tech I Semester Supplementary Examinations, May/June 2023
Computer Networks
(ECE, CSE-AIML & CSE-DS)

Roll No										

Time: 3 hours   **Max. Marks: 70**

Note: This question paper Consists of 5 Sections. Answer **FIVE** Questions, Choosing ONE Question from each SECTION and each Question carries 14 marks.

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SECTION-I

1	**A**	Define Computer Networks? Explain the uses of Computer Networks?	**[7M]**
	B	Explain about fibre optics?	**[7M]**

OR

2	Explain in detail about OSI reference model?	**[14M]**

SECTION-II

3	**A**	What are the design issues of Data Link layer?	**[7M]**
	B	Explain about ALOHA?	**[7M]**

OR

4	**A**	Discuss about Go-Back N protocol.	**[7M]**
	B	Explain any two collision free protocols?	**[7M]**

SECTION-III

5	**A**	Differentiate Connection Oriented and Connection less networks?	**[7M]**
	B	Explain about IPv4 header?	**[7M]**

OR

6	Explain about Distance Vector Routing Algorithm with an example?	**[14M]**

SECTION-IV

7	**A**	Discuss about the elements of Transport protocol.	**[7M]**
	B	Mention about various scenarios of Connection Release in transport layer?	**[7M]**

OR

8	**A**	Write the differences between UDP and TCP	**[7M]**
	B	Explain about TCP segment header?	**[7M]**

SECTION-V

9	Explain about	
	A. DNS	**[7M]**
	B. E-Mail	**[7M]**

OR

10	Discuss in detail about	
	A. HTTP.	**[7M]**
	B. WWW	**[7M]**

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