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Roll No. Total No. of Pages : 01	
Total No. of Questions : 08 M.Sc MLT(Biochemistry) (2015 to 2017) (Sem.–1) ENZYMES AND METABOLISM-I Subject Code : MMLT-102 Paper ID : [E1208]	
Tim	e: 3 Hrs. Max. Marks: 100
 INSTRUCTION TO CANDIDATES : 1. Attempt any FIVE questions out of EIGHT questions. 2. Each question carries TWENTY marks. 	
1)	What are enzymes? Discuss their nomenclature.
2)	Write short notes on :
	a) Histone proteins
	b) Irreversible steps in glycolyis and their significance
3)	Write a detailed description on Michaelis Menten equation.
4)	Describe in detail the mechanism of electron transport chain.
5)	Discuss the process of metabolic breakdown of nucleic acids.
6)	 Write notes on : a) Transcription b) Odd chain fatty acid breakdown
7)	a) Discuss in detail the properties of a biological membrane.
	b) Write a short note on competitive inhibition.
8)	Describe HMP pathway. Discuss about the importance of HMP pathway.

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