QP Code: MLB202

## M.Sc. (M.L.T.) Biochemistry

(BF/2023/12)

## Enzymology, Hormones and Nutrition [Paper-II] Max Marks: 80

Time: 3 Hours			N	Max Marks: 80
Note:	1. Section A and I	<u>3:</u> - Qu	estion No. <u>1&amp;2</u> are Compulsory and a	ttempt any four question
	out of Questi	on No	. 3,4,5,6,7	
			TS IN SINGLE ANSWER BOOK ONLY.	
			Y SHEET SHALL BE ALLOWED/PROVI	
	· · · · · · · · · · · · · · · · · · ·		.P. Code in the space provided on the Title	
	Page of the Answer	· Book.		
			Section-A	
Q. 1.		lism aı	nd regulation of Iron in humans and en	
	Phosphorus.		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[10]
Q. 2.	Write notes on:	a.	Inhibitors of Electron transport chain	[5]
		b.	Factors affecting enzyme activity	[5]
Q. 3.	Write short notes on:	a.	Biochemical function deficiency manif	
			(Riboflavin)	[3]
		b.	Manganese	[2]
Q. 4.	Describe	a.	Luteinizing hormone (LH)	[3]
		b.	Dietary Fibre	[2]
Q. 5.	Write short notes on:	a.	Glycemic index	[3]
		b.	Functions of Biotin vitamin	[2]
Q. 6.	Discuss:	a.	Male sex hormone	[3]
		b.	Zinc	[2]
Q. 7.	Write short notes on:	a.	Iron deficiency anemia	[3]
		b.	Cyclic AMP	[2]
			Section-B	
Q.1.	Describe chemistry.	biolo	ogical importance, deficiency manife	estations and daily
	requirement of vitami		, , , , , , , , , , , , , , , , , , ,	[10]
O. 2.	Write notes on:	a.	Enumerate hormones of anterior pituita	
			of one of the hormone.	[5]
		b.	Functions of copper and diseases cause	
			metabolism of copper.	[5]
O. 3.	Write short notes on:	a.	Isoenzymes and their clinical significan	
		b.	Metabolic changes during starvation	[2]
Q. 4.	Discuss:	a.	G protein coupled receptors	[3]
	2100000	b.	Regulatory enzymes	[2]
Q. 5.	Write short notes on:		Role of protein and amino acid in diet.	
	vviite short notes on.	b.	Hyperthyroidism	[2]
Q. 6.	Discuss:	a.	PEM (PROTEIN energy malnutrition)	
<b>₹</b> . 0.	2100000	b.	Molybdenum	[2]
O 7 V	Vrite short notes on:	a.	Biochemical function and deficiency r	
~·/· <b>'</b>	, incommended on.	и.	2100 Herrical Tanonon and deficiency I	[3]
		b.	Biological oxidation	[-1]