	[Time: Three Hours]	[Marks:75]
	Place check whether you have get the right question paper	
	N B: 1 All questions are compulsory	
	2. Figures to the right indicate full marks.	
	3. Draw neat and labeled diagrams wherever necessary.	
0.1	Describe primary and secondary structures of protein.	15
·	OR	
Q.1	Describe	
	a. Types and functions of RNA	08
	b. Biological functions of Carbohydrates	07
Q.2	Describe Fischer's lock and key theory and Koshland's Induced fit model <b>OR</b>	15
Q.2	Describe	
	a. Antioxidants and antioxidant system.	08
	b. Oxidative Phosphorylation	07
03	Write in hrief on Gluconeogenesis	15
Qiu	OR	15
Q.3	Explain:	
	a. Oxidative and non-oxidative deamination.	08
	b. Conversion of ribonucleotides to deoxyribonucleotides.	07
Q.4	What is homeostasis? Explain the concept with suitable examples	15
•	OR	
Q.4	Explain:	
	a. Lac operon	08
	b. Regulation of metabolism by neural and endocrine control.	07
0 5	White short notes on (Any three)	
Q.5	a Glycolipids	05
	h. Exergonic and endergonic reactions	05
	c. Metabolism of Phospholipids	05
	d. PKU	05
	OR	
Q.5	Write short notes on (Any three)	0 <b>F</b>
	a. Myoglobin b. Pibozumos	U5 05
	c. Uronic acid nathway	05
	d. G-6-PD deficiency	05
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Q.P. Code :22124