GUJARAT TECHNOLOGICAL UNIVERSITY B.Pharm – SEMESTER-III • EXAMINATION – SUMMER -2020

	ject Code: BP303TP Date: 28-10-2020 ject Name: BIOCHEMISTRY he: 2:30 PM TO 5:30 PM TO 5:30 PM To 5:30 PM To 5:30 PM Date: 28-10-2020		
Time Instru 1. 2.	e: 2:3 ctions Atte Mak	30 PM TO 5:30 PM	Total Marks: 80and biological role of06sterol.05office about its significance.06eid.05its metabolic disorders.06and cyclic AMP.06e.05oodies.05oodies.05oodies.05oodies.05sifications of enzymes.060505
Q.1	(a) (b) (c)	Define Carbohydrate. Discuss classification and biolog Carbohydrates. Write down biological significance of cholesterol. Write a detail note on structure of protein.	- 0:
Q.2	(a) (b) (c)	Describe the hexose monophosphate shunt. Write about Write down β -Oxidation of saturated fatty acid. Write down catabolism of Tyrosine. Discuss its metabolism	0
Q.3	(a) (b) (c)	Write down biosynthesis of purine and pyrimidine nuc Write about the process of replication of DNA. Explain about hormonal regulation of blood glucose le	0:
Q.4	(a) (b) (c)	Write down biological significances of ATP and cyclic What are lipids? Classify lipids with example. Write a note on Genetic Code.	0
Q.5	(a) (b) (c)	 Define following terms: 1. Enthalpy 2. Entropy 3. Redox Potential Explain formation and utilization of ketone bodies. Write a note on Protein synthesis. 	
Q. 6	(a) (b) (c)	Write down electron transport chain (ETC) and its med Write about structure of RNA. Discuss structure and biochemical functions Coenzyme	0
Q.7	(a) (b) (c)	Define enzymes. Discuss properties and classifications Write about urea cycle and its disorder. Discuss synthesis and significance of Dopamine.	0
