(i)	Printed Pages: 2			Roll No.				
(ii)	Qι	estions :9	Sub. Co			8	2	3
		E	xam. Co	de:	5	0	5	2
B.Sc. (Hons.) (Bio-Technology) FYUP 2 nd Semester (2055)								
		BIC	CHEMIST	RY				
		Par	er : BIOT	203				
Tin	ıe Al	lowed : Three Ho	ours]	[Maxim	um M	arl	ks:	68
Not	e :	- Attempt FIVE qu Attempt ONE qu	estions in a	ıll. Q. No. each unit.	1 is co	mp	ulso	ry.
1.	Attempt the following:							(.
	(a)	Define Glycogeno	lysis.					2
	(b)	What is Salvage	pathway?					2
	(c)	(c) What is Substrate level Phosphorylation?						2
	(d)	What are Nutritio	nally Non-E	ssential an	ino ac	ids	?	2
	(e)	What are Porphyr	ins?					2
	(f)	Define Gluconeog	enesis.	- /	Nego:			2
			UNIT—I					
2.	(a)	Write about role potential.	of ATP ar	nd structu	ral bas	sis	of	its 7
	(b)	Discuss Substrate	level phosph	orylation.				7

- 3. Write notes on:
 - (a) Activated Carriers
 - (b) Coupled Reactions.

7×2

UNIT-II

- Discuss steps of Glycolysis. Also deliberate on Feeder pathways of Glycolysis.
- Elaborate on amphibolic Nature of Kreb's cycle and its Regulation.

UNIT-III

- What is β-Oxidation? Discuss steps involved in β-oxidation of saturated fatty acids.
- 7. Discuss process of formation, functions and physiological significance of Ketone Bodies.

UNIT-IV

- Deliberate on role of amino acids as precursors of Bile pigments and biogenic amines.
- 9. Discuss steps in the biosynthesis of purines and pyrimidines.

14