## S.Y.B.PHARM. SEMESTER-III (2011 Course): SUMMER - 2019 SUBJECT: PHARMACEUTICAL BIOCHEMISTRY – II

Day Date		hursday 5/04/2019	S-2019-4431		Time 02.00 PM TO 05.00 PM Max. Marks: 80		
N.B.	1) 2) 3)	from each section.  Answer to both the section should be written in <b>SEPARATE</b> answer book.					
	<u> </u>		SECTION	V – I			
Q.1	a) b) c) d) e)	Answer any <b>FIVE</b> of the What are biological redox How pyruvate is converte State the significance of p State the catabolism of gly How many ATP are for carbondioxide and water? What is transamination?	systems? Gid to acetate? urine salvage ycine.	pathway.	mpletely	oxidized to	(10)
Q.2	a) b)	How ammonia is converted Describe structure of m-R		ver? Explain in	detail.		(08) (07)
Q.3	a) b)	What is diagnostic PCR? Explain post PCR analysis in detail. What is the role of Vitamin-D in calcium metabolism?					(08) (07)
Q.4	a) b) c) d)	Write short note on any T Electrolyte balance Reverse transcription Regulation of blood sugar Biosynthesis of thyroxin		following:			(15)
			SECTION	– II			
Q.5	a) b) c) d) e) f)	Answer any <b>FIVE</b> of the give important role of into State the biochemical read What is gout? What is RNA splicing? What is anti-serum? In which condition IgE an	rinsic factor p ction catalyzed	l by glutamate d		enase.	(10)
Q.6	a) b)	Describe the working of el gives three ATP on oxidat State biosynthesis of Phys	ion.				(08) (07)
	υ,	and tyrosine.	siologically in			ir try propilari	(0.)
<b>Q.7</b>	a) b)	What are lipoproteins? significance. What are inborn errors of					(08) (07)
Q.8	a) b) c) d)	management and prevention Write short note on any Transport of the Primer selection in PCR Molecular hybridization Radioimmunoassay (RIA) Kwashiorkor	HREE of the	following:			(15)