## C.U. SHAH UNIVERSITY Summer Examination-2019

Subject Name: Pharmaceutical Biochemistry II						
Subject Code: 4P	S04PBC2	Branch: B.Pharm				
Semester: 4	Date: 26/04/2019	Time: 02:30 To 05:30	Marks: 70			

## Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1		Attempt the following questions:	(14)
	a)	Explain Genetic code.	(1)
	<b>b</b> )	Define Bioenergetics.	(1)
	<b>c</b> )	What is hyperbilirubinemia.	(1)
	<b>d</b> )	What do you mean by regulation of gene.	(1)
	<b>e</b> )	Give any two example of sulphur containing amino acid.	(1)
	f)	Write location of Urea cycle.	(1)
	<b>g</b> )	Give full form of ATP and ADP.	(1)
	h)	Draw the structure of Porphyrin.	(1)
	i)	Define Free Energy.	(1)
	j	Give Significance of ATP	(1)
	k)	Define Co-enzyme.	(1)
	D	Explain Uncouplers.	(1)
	m)	What is alkaptouria.	(1)
	n)	Difference Between catabolic and anabolic reaction.	(1)
Attem	npt any f	Cour questions from Q-2 to Q-8	
Q-2			(14)
•	a	Explain Urea Cycle.	(7)
	b	Describe Structure of DNA	(7)
<b>Q-3</b>			(14)
· ·	a	Write a note on Protein Synthesis	(7)
	b	Define Bile pigments and Write a note on formation of Bile pigments.	(7)
Q-4			(14)
•	a	Write a note on Polymerase chain reaction.	(7)
	b	Explain in detail Classification of Proteins.	(7)



Q-5			(14)
	a	Define denaturation and expalin its causes.	(7)
	b	Write brief note on Metabolism of methionine.	(7)
Q-6			(14)
	a	Discuss the various reaction of Amino Acid.	(7)
	b	Write a brief note on purine Synthesis.	(7)
Q-7			(14)
	a	Describe Electron transport chain.	(7)
	b	Enumerate the technique used in biochemistry and explain any two in detail.	(7)
Q-8			(14)
	a	Write a note on Rotary model of Oxidative Phosphorylation with diagram.	(7)
	D	Explain DNA replication.	(/)

