	ent No:	Exam Seat No:		
	C.U.SHA	H UNIVERSITY		
Subject I	Name: Pharmaceutical Bioch	nemistry I		
Subject (Code: 4PS03PBC1	Branch: B.Pharm	Branch: B.Pharm	
		Time: 2:30 To 5:30 Marks: 70		
(1) U (2) I (3) I	Jse of Programmable calculate nstructions written on main ar Draw neat diagrams and figure	nswer book are strictly to be obeyed. s (if necessary) at right places.		
	Attempt the following ques	tions:	(14)	
a)	Give two examples of disacc	harides.	1	
b)	-		1	
c)	Give two examples of fat sol	uble vitamins.	1	
d)		salivary amylase?	1	
,			1	
,		accharides.	1	
			1 1	
,		uct of alveolysis	1	
•			1	
_		ranse Province and the control of th	1	
1)	Write the location of citric ac	cid cycle.	1	
m)		ood glucose level.	1	
n)	Define glycosuria.		1	
mpt any f	our questions from Q-2 to Q	2-8		
	Attempt all questions		(14)	
A B	•	• •	7 7	
A	Attempt all questions	is of the type of reactions they estaly a with relevant	(14) 7	
	Subject (Construction of the state of the st	Subject Name: Pharmaceutical Bioch Subject Code: 4PS03PBC1 Semester: 3 Date: 8/12/2015 Instructions: (1) Use of Programmable calculate (2) Instructions written on main and (3) Draw neat diagrams and figure (4) Assume suitable data if needed Attempt the following quest a) Give two examples of disacted by Give two examples of water concept of two examples of fat sold what is the optimum pH for end (a) What is the optimum pH for end (b) Define gluconeogenesis. b) Define gluconeogenesis. c) Write two examples of polysing place of gluconeogenesis. c) Write the name of final prodiction of the prodiction of citric and my write the value of normal blue of place of the production of citric and my the production of citric and my write the value of normal blue of the production of citric and my different types of case of the production of citric and my four questions from Q-2 to Q Attempt all questions A Classify different types of case of the production of citric and the production of citric and my four questions from Q-2 to Q Attempt all questions A Classify different types of case of the production of citric and the production of citric and my four questions from Q-2 to Q Attempt all questions A Classify different types of case of the production of citric and the production of citric and my four questions from Q-2 to Q Attempt all questions	Winter Examination-2015 Subject Name: Pharmaceutical Biochemistry I Subject Code: 4PS03PBC1 Branch: B.Pharm Semester: 3 Date: 8/12/2015 Time: 2:30 To 5:30 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. Attempt the following questions: a) Give two examples of disaccharides. b) Give two examples of the soluble vitamins. c) Give two examples of fat soluble vitamins. d) What is the optimum pH for salivary amylase? e) Define cori cycle. f) Write two examples of polysaccharides. g) Define glycogenolysis. i) Write the name of final product of glycolysis. j) Write the name of monomer units present in sucrose. k) Define epimers. l) Write the location of citric acid cycle. m) Write the value of normal blood glucose level. n) Define glycosuria. mpt any four questions from Q-2 to Q-8 Attempt all questions A Classify different types of carbohydrates. Write a note on polysaccharides. B What is glycolysis? Give its metabolic reaction with energetic. Attempt all questions	



What are phospholipids? Classify them and write the functions of phospholipids.

7

(14)

7

examples.

Attempt all questions

В

A

В

Q-4

Explain mechanism of enzyme action.

Explain β -oxidation of fatty acids.

Q-5		Attempt all questions	(14)
	\mathbf{A}	Describe energetic and reactions of TCA cycle.	7
	В	Explain gluconeogenesis.	7
Q-6		Attempt all questions	(14)
	\mathbf{A}	Give an account of hexose monophosphate pathway and mention its importance.	7
	В	Describe cell organelles with their roles.	7
Q-7		Attempt all questions	(14)
	\mathbf{A}	Draw a neat and labeled diagram of eukaryotic cell.	7
	В	Explain in detail about active transport process.	7
Q-8		Attempt all questions	(14)
-	\mathbf{A}	What are co-enzymes? Write a note on the role of co-enzymes in enzyme action.	7
	В	Describe the mechanism of enzyme inhibition.	7

