

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name: Biochemistry - Theory

Subject Code: BP203T

Branch: B.Pharm

Semester: 2

Date : 25/10/2018

Time: 02:30 To 05:30

Marks : 75

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:	(20)
	a) Explain transamination process	2
	b) Define enthalpy and entropy	2
	c) Draw glycogenesis pathway	2
	d) Explain phenylketonurea	2
	e) Define nucleotide. Give the examples of nucleic acids	2
	f) What are the purine and pyrimidine bases present in the structure of DNA and RNA?	2
	g) Explain hypercholesterolemia.	2
	h) Explain ketoacidosis	2
	i) Define enzyme and coenzyme	2
	j) Classify carbohydrates	2

Attempt the following questions:

Q-2	Attempt any two of following : (2*10 Marks = 20 Marks)	(20)
	A electron transport chain	10
	B protein synthesis process	10
	C glycolysis process with citric acid cycle	10

Q-3	Attempt any Seven of following : (7*5 Marks = 35 Marks)	(35)
	A Describe in detail about structure of DNA	5
	B Describe in detail about mechanism of enzyme inhibition	5
	C Describe in detail about β -oxidation of fatty acid	5
	D Enlist DNA repair mechanism. Describe in detail about nucleotide excision mechanism	5
	E DNA replication process	5
	F genetic code	5
	G urea cycle	5
	H haem synthesis	5
	I bile pigment synthesis	5

