PARUL UNIVERSITY FACULTY OF APPLIED SCIENCE M.Sc., Winter 2019-20 Examination

Enrollment No:_____

	WI.SC., WIIITEI 2017-20 Examination	
Semester: 1		Date: 29/11/2019
Subject Code: 11203104		Time: 10:30am to 01:00pm
Subject Name: Biochemistry of Mac	cromolecules	Total Marks: 60
Instructions:		
1. All questions are compulsory.		
2. Figures to the right indicate full ma	rks	
3. Make suitable assumptions whereve		
	er necessary.	
4. Start new question on new page.		
	``````````````````````````````````````	
Q.1. A) Essay type(Each of 04 mark		(08)
(a) Explain the structure of F		
(b) Write a note on classifica	÷	
Q.1. B) Answer the following quest	•	
(a) Short note(Each of 02 ma	•	(04)
1. List the Essential amin	no acids.	
2. What is Polysaccharid	e?	
(b) Short note on physical fac	tors responsible for protein degradation/dena	turation. (04)
(c) Short note chemical prope	erties of carbohydrates.	(04)
Q.2. A) Answer the following quest		
(a) Short note (Each of 02 m		(04)
1. Note on aeromatic am		
2. Note on Peptide bond.		
(b) Short note on purification		(04)
-	-	(04)
Q.2. B) Answer the following quest	-	(02)
(a) Define(Each of 01 marks)		(03)
1. Amino acid		
2. Optical isomers		
3. Iso electric point		
(b) Short note on globular pro		(03)
(c) Short note on Vant's Hoft	rule.	(03)
Q.3. A) Essay type (Each of 04 mar	ks)	(08)
(a) Describe the functions of	different RNA.	
(b) Differentiate saturated an	d unsaturated fattyacids.	
Q.3. B) Answer the following quest		
(a) Short note (Each of 02 ma		(04)
1. Note on spingolipid.		
2. What is porphyrins?		
(b) Short note on Sanger met	hod	(04)
(c) Short note on Significance		(04)
		(04)
Q.4. A) Answer the following quest: (a) Short pate (Each of $0.2$ m)		(04)
(a) Short note (Each of 02 m	arks)	(04)
1. Note on wax		
	ndonucleases? Name the types.	
(b) Short note on prostagland		(04)
Q.4. B) Answer the following quest		
(a) Do as directed(Each of 01	marks)	(03)
1. Any two properties of	steriod	
2. List the types of DNA		
3. Name any two sequen		
(b) Short note on triglyceride	•	(03)
(c) Short note on structure of		(03)
(c) short note on structure of	emotophym.	(05)