Enrollment No:_____

PARUL UNIVERSITY FACULTY OF MEDICAL SCIENCE & RESEARCH M.B.B.S September 2019 EXAMINATION

•	a 1 ect Code: 19100106 ect Name: Biochemistry Paper-II	Date:01/10/2019 Time:10:30am to 01:00pm Total Marks: 50	
Instructions:			
2. Fig	empt all questions from each section. ures to the right indicate full marks. ke suitable assumptions wherever necessary. SECTION – A Structured Essay Question Describe metabolism of iron and add a note on iron deficiency	$(6 \mid 4)$	(10)
Q.2	Describe metabolism of iron and add a note on iron deficience Write short notes on: (any two out of three) Renal mechanism of pH regulation	y anenna (0+4)	(08)
2.	Protein energy malnutrition		
3.	Liver function tests		
	SECTION – B Discuss on: (any three out of four) Post translational modifications Polymerase chain reaction Disorders of aromatic amino acid metabolism		(15)
	 A newborn baby presented with yellowish discoloration of s birth. The neonatologist advised phototherapy. The child bec 1. What is the type of jaundice? 2. Why did phototherapy benefit the child? 3. What are the other types of jaundice that may be see SECTION – C 	came normal. (1) (2)	
	Write briefly on: (any four out five) Enzyme linked immunosorbent assay (ELISA)		(12)
2.	Tools used for recombinant DNA technology		
3. 4.			
5.	Balanced diet		
-	 MCQs All are enzymes of DNA replication except A. Helicase B. DNA polymerase C. Taq polymerase D. Ligase 		(05)
2.	Rate limiting enzyme for heme biosynthesis is A. ALA dehydratase		

- B. ALA dehydrogenase
- C. ALA synthase

D. ALA synthetase

- 3.crosses placental barrier
 - A. IgG
 - B. IgM
 - C. IgA
 - D. IgE
- 4. Most abundant cation intracellularly is
 - A. Sodium
 - B. Potassium
 - C. Calcium
 - D. None of the above
- 5. Most abundant plasma protein is.....
 - A. Globulins
 - B. Fibrinogen
 - C. Albumin
 - D. None of the above