## PARUL UNIVERSITY FACULTY OF APPLIED SCIENCE B.Sc Winter 2017-18 Examination

Enrollment No:\_\_\_\_\_

B.Sc Winter 2017-18 Examination	
Semester: 5 Subject Code: 11103303 Subject Name: Nutritional Biochemistry	Date: 20/12/2017 Time: 02:00 pm to 04:30 pm Total Marks: 60
Instructions: 1. All questions are compulsory. 2. Figures to the right indicate full marks.	
<ol> <li>A. Start new question on new page.</li> </ol>	
Q.1. A) Essay type:	(08)
How blood glucose level is regulated in human body? Explain the rol	le of hormones involved.
Q.1. B) Answer the following questions (Any two)	
(a) Brief note (2x2)	(04)
1. Omega fatty acids	
2. Blood lipids	
(b) Short note on Role of dietary fibre in diet	(04)
(c) Short note on effect of trans fatty acids in human diet	(04)
Q.2. A) Answer the following questions.	
(a) Short note: Utilization of absorbed carbohydrates in the body	(04)
(b) Short note on Goitre	(04)
Q.2. B) Answer the following questions (Any two)	
(a) Short note: Detoxification	(03)
(b) Enlist the causes of diabetes.	(03)
(c) What are biochemical functions of water?	(03)
Q.3. A) Essay type.	(08)
Explain the role of liver in lipid metabolism with special emphasis o	n transport and storage of
lipids.	
Q.3. B) Answer the following questions (Any two)	
(a) Short note: Nutritional significance of amino acids.	(04)
(b) Name atleast 4 essential amino acids with their functions.	(04)
(c) Write a short note on biochemical functions of fats.	(04)
Q.4. A) Answer the following questions.	
(a) Short note on Cardiovascular Diseases and it's causes	(04)
(b) Short note on Protein Calorie Malnutrition	(04)
Q.4. B) Answer the following questions (Any two)	
(a) Describe the causes of Anemia?	(03)
(b) Short note on Complimentary value of proteins	(03)
(c) Short note on disorders due to Zinc deficiency	(03)