

**PARUL UNIVERSITY**  
**FACULTY OF NURSING**  
**Nursing, January 2020 Examination**

**Year: 1**  
**Subject Code: 09101102**  
**Subject Name: Nutrition & Biochemistry**

**Date: 21-01-2020**  
**Time: 10:00am to 1:00pm**  
**Total Marks: 75**

**Instructions:**

- (1) Answer to the point.
- (2) Figure to the right indicates full marks.
- (3) Write legibly.
- (4) Draw diagrams wherever necessary.
- (5) Use separate answer books for each section.

**SECTION-A NUTRITION (45 MARKS)**

<b>Q-1</b>	<b>Long Essays (Any one out of two)</b>	<b>(1 x 10)</b>	<b>10</b>
1	1. Define cookery.		
	2. Enumerate principles of cooking.		
	3. Explain in brief methods of cooking.		
2	1. Define Balanced Diet.		
	2. List macro and Micro Nutrients.		
	3. Explain in detail regarding Vitamin-A.		
<b>Q-2</b>	<b>Short Essays (Any five out of seven)</b>	<b>(5 x 5)</b>	<b>25</b>
1	Discuss the prevention of food adulteration Act.		
2	Enumerate the function of vitamin-B <sub>12</sub> and discuss deficiency of vitamin-B <sub>12</sub> .		
3	Classification of CHO.		
4	Integrated child development scheme.		
5	Functions of Protein.		
6	Scurvy.		
7	Define Dehydration.		
<b>Q-3</b>	<b>Short Answers</b>	<b>(5 x 2)</b>	<b>10</b>
1	BMI Stands for.....		
2	Sources of Vitamin C.		
3	List the principles of food standards.		
4	List out any four national nutritional programs.		
5	Define minerals.		

**SECTION-B BIOCHEMISTRY (30 MARKS)**

<b>Q-1</b>	<b>Long Essays (Any one out of two)</b>	<b>(1x 10)</b>	<b>10</b>
1	Structure and function of cell.		
2	What is Normal Fasting blood glucose level? Explain how blood glucose level is regulated.		
<b>Q-2</b>	<b>Short Essays (Any two out of four)</b>	<b>(2 x 5)</b>	<b>10</b>
1	Urea Cycle.		
2	Renal Regulation of acid base balance.		
3	Fluid mosaic model.		
4	Classify the lipids. Write in detail about the function of phospholipid.		
<b>Q-3</b>	<b>Short Answers</b>	<b>(5 x 2)</b>	<b>10</b>
1	Amino Acid.		
2	BMR.		
3	GTT.		
4	Enzyme.		
5	Detoxication.		