

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY

FACULTY OF NURSING

B.Sc. Nursing (Basic), Examination September 2022

Year: 1

Subject Code: 09101102

Subject Name: Nutrition & Biochemistry

Date: 06/09/2022

Time: 2.00 pm to 5.00 pm

Total Marks: 75

Instructions:

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Draw diagrams wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION-A NUTRITION (45 MARKS)

Q-1 Long Essays (Any one out of two) (1 x 10) (10)

1. What is RDA? Write down the RDA and plan a balanced diet for a pregnant woman.
2. Define food Preservation. What are the different methods used for preservation of food?

Q-2 Short Essays (Any five out of seven) (5 x 5) (25)

1. Functions food sources and deficiency effects of Calcium
3. Write down the functions of ICDS.
4. Write down five food groups, examples and their two main nutrients.
5. Write down the function of protein.
6. Explain digestion process.
7. What are the factors affecting basal metabolic rate?
8. Explain role of food and its medicinal value.

Q-3 Short Answers (5 x 2) (10)

1. Anemia
2. High Fiber Diet
3. Therapeutic Diet
4. Junk Food
5. Goiter

SECTION-B BIOCHEMISTRY (30 MARKS)

Q-1 Long Essays (Any one out of two) (1x 10) (10)

1. Write the Structure & Classification of Immunoglobulin.
2. Explain Lipoproteins & its types.

Q-2 Short Essays (Any two) (2 x 5) (10)

1. Define Enzymes and write its classification.
2. Urea cycle.
3. Regulation of blood sugar level.
4. Kreb cycle.

Q-3 Short Answers (5 x 2) (10)

1. Glycogenolysis
2. Define Antigen and Antibody
3. Classification of Immunoglobulins
4. Electrophoresis
5. Ph Buffers