

PARUL UNIVERSITY
FACULTY OF NURSING
B.Sc. Nursing (Basic), August 2019. Examination

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

Date: 07/08/2019
Time: 10.00 am to 1.00 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 Classify the carbohydrates and explain the digestion and absorption of carbohydrates in detail.
- 2 Explain about different methods of cooking

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

- 1 Describe PEM
- 2 Explain about prevention of food adulteration
- 3 Explain about digestion of protein.
- 4 List out the Fat soluble vitamins and explain any one of them.
- 5 Describe the food preservation methods.
- 6 Write about ICDS programme.
- 7 Explain about mid day meal programme

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

- 1 List out the factors affecting food and nutrition
- 2 Write sources of vitamin C.
- 3 Write classification of minerals.
- 4 Write functions of fat.
- 5 Define BMI

SECTION-B BIOCHEMISTRY (30 MARKS)

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

- 1 Draw the structure of cell and write the functions of cell.
- 2 Define osmosis and diffusion and explain about the acid base balance maintenance.

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

- 1 Regulation of blood glucose level.
- 2 TCA cycle.
- 3 Classification of Immunoglobulins
- 4 Explain about Urea cycle

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

- 1 Write meaning of gluconeogenesis.
- 2 Write sources of Vitamin D
- 3 Define enzyme and co enzyme.
- 4 Define immunity.
- 5 List out the types of electrolytes.