

B.Sc.(N) [1st Year]

BF/2018/08

Nutrition & Biochemistry

[New Scheme w.e.f. 2006]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*

2.) **USE SEPARATE ANSWER BOOK FOR EACH PART.**

3.) **The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.**

SECTION-A

[45 Marks]

QP Code: BNN103

[NUTRITION]

1. (a) Explain importance of Nutritional Assessment. [2]
(b) Describe importance of Safe food handling and Storage of food. [4]
(c) Describe principles of Cooking and Serving food. [4]
2. (a) Explain the importance of Therapeutic Diet. [2]
(b) Describe planning of dietary schedule for person suffering from diabetes mellitus. [4]
(c) National Iodine deficiency programme and role of Nurse. [4]
3. (a) Explain functions of Fats. [2]
(b) Describe digestion, absorption and metabolism of Fats. [5]
(c) Explain problems due to deficiency and over consumption of Fats in Diet. [3]
4. **Write Short Notes on any THREE of the following :** [3x5=15]
(a) Micro and Macro Nutrients. (b) Dietary Management of Malnutrition.
(c) Overhydration and Dehydration. (d) Prevention of Food Adulteration Act (PFA)
(e) Balanced Diet.

SECTION-B

[30 Marks]

QP Code: BNN104

[BIOCHEMISTRY]

1. (i) (a) Describe Immunoglobulin and its classification in brief. [5]
(b) Write metabolism of Triglycerols. [5]
- OR**
- (ii) (a) Write the types and structure of Amino Acids. [5]
(b) Describe Steroid Hormones. [5]
2. (a) Write about Acid Base Balance. [3]
(b) Transport of Lipids. [2]
3. **Write Short Notes on any FIVE of the following :** [3x5=15]
(a) Gluconeogenesis. (b) Prostaglandins.
(c) Properties of Vitamins. (d) Lens Protein.
(e) Functions of Lipoproteins. (f) Disaccharides.
(g) Minerals.