

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

BF/2021/06

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) What is Electrolyte imbalance. [2]
(b) Write about function of Food. [4]
(c) Role of nurse in Nutrition education [4]
2. (a) Principles of Cooking [2]
(b) Various methods of Cooking [4]
(c) What is the Therapeutic diet with examples [4]
3. (a) Define Malnutrition. [2]
(b) Elements of Nutrition [4]
(c) National iodine deficiency disorder programme [4]
4. **Write Short Notes on any THREE of the following :** [3x5=15]
(a) Hypervitaminosis (b) Basal Metabolic Rate
(c) Assessment of Nutritional status (d) Budgeting of Food
(e) Under Weight

SECTION-B

[30 Marks]

QP Code: BNN104

[BIOCHEMISTRY]

1. (i) (a) Explain the classification of Polysaccharides with suitable examples. [5]
(b) Discuss the pathway of Glycolysis (Embden- Meyerhof pathway) and energy yield during aerobic and anaerobic glycolysis. [5]
- OR**
- (ii) (a) Describe briefly about the Immune response. [5]
(b) Write the classification of Lipoproteins and their functions. [5]
2. Give the classification of Enzymes with suitable examples. [5]
3. **Write Short Notes on any FIVE of the following :** [3x5=15]
(a) ELISA (b) Atherosclerosis
(c) Cytoskeleton (d) Structure and functions of Endoplasmic reticulum
(e) Essential Amino acids (f) Absorption, transport and biochemical function of Vitamin A
(g) Protein synthesis
