

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

 BF/2019/02

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 Unit of Energy (K cal). [2]
- (b) Explain Safe food handling and prevention of Food Born Disease. [3]
- (c) Describe Role of Nutrition in maintaining Health. [5]

2. (a) Explain Functions of Proteins. [4]
- (b) List Dietary Sources of Proteins. [3]
- (c) Describe diseases due to Protein Deficiency. [3]

3. (a) List Dietary Sources of Carbohydrate. [3]
- (b) Describe overconsumption and toxicity of Minerals. [5]
- (c) List Functions of Vitamin C. [2]

4. **Write Short Notes on any THREE of the following :** [3x5=15]
 - (a) Food Standards
 - (b) Daily requirement & importance of Water Consumption
 - (c) Food Preservation
 - (d) Role of Nurse in Nutrition Education
 - (e) Mid Day Meal Programme

SECTION-B

[30 Marks]

QP Code: BNN104

[BIOCHEMISTRY]

1. (i) (a) Draw a well labeled diagram of Prokaryotic cell and describe in brief. [5]
- (b) Describe in brief about Diffusion. [5]
- OR**
- (ii) (a) Write Metabolism of Amino Acid. [5]
- (b) Function of Minerals. [5]

2. (a) Write Properties of Enzymes. [3]
- (b) Uses of Fatty Acids. [2]

3. **Write Short Notes on any FIVE of the following :** [3x5=15]

(a) Keratin	(b) Collagen
(c) Properties of Vitamin B	(d) Billirubin
(e) Functions of Mitochondria	(f) Osmosis
(g) Myosin	
