

# B.Sc.(N) [1<sup>st</sup> Year]

BF/2021/11

## 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 Q.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) Define Nutrition. [2]  
 (b) Write about National nutritional policy. [4]  
 (c) Write classifications of Foods. [4]
2. (a) Define Balanced diet. [2]  
 (b) What are the elements of Balanced diet. [4]  
 (c) Factors influencing Meal planning. [4]
3. (a) Food Standards. [2]  
 (b) Classification of Vitamins. [4]  
 (c) Role of nutrition in maintaining Health. [4]
4. Write Short Notes on any **THREE** of the following : [3x5=15]
 

(a) Obesity	(b) Water Soluble Vitamins
(c) Source of Iron	(d) Food Hygiene
(e) Micronutrients	

### SECTION-B

[30 Marks]

**QP Code: BNN104**

**[BIOCHEMISTRY]**

1. (i) (a) How Fats are digested and absorbed ? What is Steatorrhoea ? [5]  
 (b) Explain physiological and biochemical functions, chemistry with structure of Vitamin D. [5]
- OR**
- (ii) (a) Discuss the structure, classes and properties of Immunoglobulins. [5]  
 (b) Name the important Buffer systems in the body. Describe the role of Kidneys in the maintenance of acid base balance. [5]
2. Define Enzymes. Explain factors affecting enzymatic activity. [5]
3. Write Short Notes on any **FIVE** of the following : [3x5=15]
 

(a) Regulation of Blood glucose	(b) Albinism
(c) Jaundice	(d) Meta rotation
(e) Fluid Mosaic Model	(f) FIGLU
(g) Anion Gap	