



62502

**First Basic B.Sc. Nursing Examination, Winter 2017**  
**NUTRITION AND BIOCHEMISTRY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

**SECTION – A & SECTION – B**

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All** questions are **compulsory**.
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use** a common answer book for **all** Sections.

**SECTION – A (45 Marks)**

**Nutrition**

1. Short answer question (**any five** out of six) : (5×5=25)
  - a) Integrated Child Development Scheme.(ICDS).
  - b) Classification of fats.
  - c) Discuss principles of cooking.
  - d) Factors affecting iron absorption.
  - e) Weaning.
  - f) National Iodine Deficiency Disorder Programme.
  
2. Long answer question (**any two** out of three) : (2×5=10)
  - a) Define malnutrition. Describe the clinical features of severe protein energy malnutrition.
  - b) Describe the Classification and functions of fats.
  - c) Write classification of vitamins, functions and deficiency of vitamin C.

P.T.O.



3. Short answer questions (**any two** out of three) :

(2×5=10)

- a) Food adulteration and its prevention.
- b) Therapeutic diet for a patient with hypertension.
- c) Dietary management of patient with dehydration.

**SECTION – B (30 marks)**

**Biochemistry**

4. Short answer question (**any four** out of five) :

(4×5=20)

- a) Structure and functions of Mitochondria.
- b) Functions and deficiency manifestations of Vitamin A.
- c) Transamination reactions.
- d) Classification of Enzymes with suitable examples.
- e) Functions of Iron.

5. Long answer question (**any one** out of two) :

(1×10=10)

- a) Describe regulation of Blood Sugar levels.
  - b) Describe steps in beta oxidation of fatty acids.
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