



62502

First Basic B.Sc. Nursing Examination, Summer 2016
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 answerbook for **all** Sections.

SECTION – A

(45 Marks)

(Nutrition)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Role of nutrition in maintaining health of geriatric client.
 - b) Classification of foods.
 - c) Difference between kwashiorkor and marasmus.
 - d) Deficiency diseases of Iron and its rich dietary sources.
 - e) Integrated Child Development Scheme (ICDS).
 - f) Therapeutic purposes of Naturopathy - Diet.

2. Long answer question (**any two** out of three) : **(2×5=10)**
 - a) Nutritional problems in India.
 - b) Absorption, synthesis and metabolism of minerals.
 - c) Principles of weaning and foods included.

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

(2×5=10)

- a) Safe food preparation practices.
- b) Role of nurse in nutritional education.
- c) Food additives and its principles.

SECTION – B

(30 Marks)

(Biochemistry)

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

(4×5=20)

- a) Classify carbohydrates with suitable example.
- b) Functions of proteins.
- c) Digestion and absorption of Lipids.
- d) Classify enzymes with suitable examples.
- e) Factors affecting calcium absorption.

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

(1×10=10)

- a) Describe sources, biochemical functions and deficiency manifestation of Vitamin A.
 - b) Explain in detail different types of buffers and role of buffers in maintaining acid base balance.
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