



62502

**First Basic B.Sc. Nursing Examination, Summer 2014**  
**NUTRITION AND BIOCHEMISTRY**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

**SECTION – B & SECTION – C**

- 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 – B**

**(35 Marks)**

**Nutrition**

2. Answer the following (**any four** out of five) : **(4x5=20)**
  - a) Mid day meal programme
  - b) Functions and deficiency of Vitamin C
  - c) Protein energy malnutrition
  - d) Food preservation
  - e) Basal Metabolic Rate.
3. Explain the classification, sources and functions of carbohydrates. **(1x7=7)**
4. Explain the role of nurse in nutritional programmes. **(1x8=8)**

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SECTION – C

(25 Marks)

**Biochemistry**

5. Answer the following (**any three** out of four) : (3x5=15)

- a) Write any five functions of vitamin C.
- b) Write five factors affecting rate of enzyme catalysed reaction.
- c) Describe the fluid mosaic structure of cell membrane.
- d) Write functional classification of proteins with suitable example for each class.

6. a) Write a note on aerobic glycolysis and its energetics. (1x10=10)

OR

b) Describe the urea cycle. Explain its importance. (1x10=10)

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