



62501

**First Basic B.Sc. Nursing Examination, Summer 2016**  
**ANATOMY AND PHYSIOLOGY**

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**  
**(Anatomy)**

**(42 Marks)**

1. Short answer question (**any six** out of seven) : **(6×5=30)**
  - a) Classification of bones according to shape and write it's functions
  - b) Blood supply of heart
  - c) Relations and ligaments of spleen
  - d) Nerve supply of tongue
  - e) Enumerate formation and branches of brachial plexus
  - f) Structures under cover of gluteus maximus muscle
  - g) Functional areas on superolateral surface of brain.
  
2. Long answer question (**any one** out of two) : **(1×12=12)**
  - a) Describe the uterus under the following heads :
    - i) size, shape, normal position and angulation
    - ii) parts of uterus
    - iii) supports of uterus
    - iv) Applied anatomy.

**P.T.O.**



- b) Describe the left lung under the following heads :
- i) features
  - ii) root
  - iii) mediastinal surface
  - iv) Applied anatomy.

SECTION – B  
(Physiology)

(33 Marks)

3. Short answer question (**any four** out of five) : (4×5=20)
- a) Write a note on sarcomere
  - b) Composition and functions of saliva
  - c) Conducting system of heart
  - d) Mechanisms for body temperature regulation
  - e) Write a note on diabetes mellitus.

4. Long answer question : (1×13=13)
- a) Define and classify Anaemia. 6
  - b) Describe process of urine formation. 7

OR

- Long answer question : (1×13=13)
- c) Enumerate functions of lungs. Add a note on Oxygen-Haemoglobin dissociation curve. 6
  - d) Define Menstrual cycle. Write briefly about phases of menstrual cycle. 7

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