



62501

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

Total Duration: Section A+B = 3 Hours

Total Marks : 75

- 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** section.

**SECTION – "A" (42 Marks)**

**(Anatomy)**

1. Short answer question (any six out of seven) : (6x5=30)
  - a) Endoplasmic reticulum.
  - b) Biceps brachii muscle.
  - c) Popliteal fossa.
  - d) Define mediastinum. Mention its division and enumerate contents of superior mediastinum.
  - e) Draw neat labelled diagram of posterior relations of right kidney.
  - f) Structure and functions of skin.
  - g) Fibromuscular or mechanical supports of the uterus.
  
2. Long answer question (any one out of two) : (1x12=12)
  - a) Describe pancreas under following heads :
    - i) Relations (7)
    - ii) Blood supply (3)
    - iii) Applied anatomy. (2)

P.T.O.



b) Describe bones under following heads:

- i) Classification (7)
- ii) Blood supply (3)
- iii) Applied anatomy. (2)

**SECTION – "B" (33 Marks)**

**(Physiology)**

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

(4x5=20)

- a) Role of Skin in Temperature regulation.
- b) Composition and Functions of Saliva.
- c) Ovulation.
- d) Functions of cerebellum.
- e) Functions of Stomach.

4. Long answer question :

(1x13=13)

- a) Define Haemostasis and write the functions of Platelets. 6
- b) Enumerate the steps in Haemostasis. Describe the intrinsic pathway of Haemostasis. 7

OR

Long answer question :

(1x13=13)

- c) Define GFR. Explain the factors affecting GFR. 6
  - d) Explain briefly the counter current multiplier mechanism of Kidney. 7
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