



**First Basic B.Sc. Nursing Examination, Summer (Phase - II) 2019
ANATOMY AND PHYSIOLOGY**

Total Duration : 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 answer book for all sections.

SECTION - A (42 Marks)
(ANATOMY)

1. Short answer questions (**any six** out of seven) : [6 × 5 = 30]
 - a) Boundaries and contents of femoral triangle.
 - b) Deltoid muscle.
 - c) Endoplasmic reticulum.
 - d) Relations and blood supply of Right kidney.
 - e) Name the extraocular muscles and mention their nerve supply.
 - f) Bronchopulmonary segments.
 - g) Classify synovial joints with examples.

2. Long answer questions (**any one** out of two):
 - a) Describe the urinary bladder under the following headings
 - i) Location and shape. [2]
 - ii) Capacity. [1]
 - iii) Relations in male and female. [3]
 - iv) Ligaments. [2]
 - v) Interior of bladder. [2]
 - vi) Applied anatomy. [2]

- b) Describe the thyroid gland under the following headings
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| i) Shape, size and situation. | [2] |
| ii) Capsule of thyroid gland. | [2] |
| iii) Relations. | [3] |
| iv) Blood supply. | [3] |
| v) Applied anatomy. | [2] |

SECTION - B (33 Marks)

(PHYSIOLOGY)

3. Short answer questions (**any four** out of five): [4 × 5 = 20]
- Give the composition and functions of saliva.
 - Write a note on functions of WBC.
 - Functions of stomach.
 - Give the composition and functions of cerebrospinal fluid (CSF)
 - Give a flow chart of the conducting system of the heart.
4. Long answer questions :
- Enumerate the hormones secreted by anterior pituitary gland. Discuss the actions of thyroid hormones on various metabolisms. [6]
 - Add a note on Hyperthyroidism. [7]
- OR
- Long answer questions :
- Describe ABO & Rh blood group systems. [6]
 - Add a note on erythroblastosis fetalis. [7]

