

**First BASIC B.Sc. Nursing Examination, Summer
(Phase - III All other Remaining UG/PG Courses) - 2020
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 answer book for all sections.

**SECTION - A (42 Marks)
(ANATOMY)**

1. Short answer question (**any Six** out of Seven) **[6 × 5 = 30]**
 - a) Axillary lymph nodes.
 - b) Supports of uterus
 - c) Classification of synovial joint with example of each type.
 - d) Papillae of tongue.
 - e) Muscles of gluteal region.
 - f) Sternocleidomastoid muscle.
 - g) Differentiate between small and large intestine.

2. Long answer question (any one out of two): **[1 × 12 = 12]**
 - a) Describe kidney under the following headings,
 - i) Location and gross structure, ii) Coverings,
 - iii) Relations, iv) Blood supply,
 - v) Applied anatomy

- b) Describe the hip joint under the following headings,
- i) Type of joint,
 - ii) Articular surfaces,
 - iii) Ligaments,
 - iv) Relations,
 - v) Movements and muscles producing them,
 - vi) Applied anatomy.

SECTION - B (33 Marks)

(PHYSIOLOGY)

3. Short answer question (**any four** out of Five) : [4 × 5 = 20]

- a) Write the composition and functions of saliva.
- b) What is surfactant? Describe in brief its functions.
- c) Write a note on functions of skin.
- d) Explain the Rh blood group system. Add a note on Erythroblastosis foetalis.
- e) Write in brief about the conducting system of heart.

4. Long answer question : [1 × 13 = 13]

- a) Define and classify reflexes. [6]
- b) Describe the reflex arc with the help of a neat labelled diagram. Give two examples of reflex action. [7]

OR

Long answer question :

- c) Describe the various phases of menstrual cycle. [6]
- d) Discuss the hormonal control of menstrual cycle. [7]

