

First Basic B.Sc. Nursing Examination, Winter - 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 answerbook for all sections.**

SECTION - A (42 Marks)

(Anatomy)

1. Short answer questions (any six out of seven) : [6 × 5 = 30]
- a) Classification of bones with examples.
 - b) Enumerate extrinsic muscles of tongue and state its nerve supply
 - c) Right atrium
 - d) Support of uterus.
 - e) Deltoid muscle
 - f) T.S. of Spinal Cord
 - g) Boundaries and contents of cubital fossa

2. Long answer question (any one out of two): [1 × 12 = 12]
- a) Describe stomach under the following heads
 - i) Gross and relations
 - ii) Blood supply
 - iii) Applied anatomy
 - b) Describe hip joint under the following heads
 - i) Articular surface
 - ii) Ligaments
 - iii) Movements and muscles producing movements

SECTION - B (33 Marks)

(Physiology)

3. Short answer questions (any four out of five): [4 × 5 = 20]
- a) Cell membrane
 - b) Composition and functions of gastric juice
 - c) Spermatogenesis
 - d) Cretinism
 - e) Erythroblastosis foetalis
4. Long answer question: [1 × 13 = 13]
- a) Define cardiac output. Enumerate the methods to measure cardiac output. Write about any one method. [6]
 - b) Write in brief about the factors determining cardiac output. [7]
- OR
- Long answer question: [1 × 13 = 13]
- c) Write the compositions and Functions of blood? [6]
 - d) Write a note on iron deficiency anemia. [7]

