



62501

**First Basic B.Sc. Nursing Examination, Winter 2018
ANATOMY AND PHYSIOLOGY**

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and 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)

1. Short answer question (**any six** out of seven) : **(6×5=30)**
 - a) Blood supply of long bone.
 - b) Sternocleidomastoid muscle.
 - c) Boundaries and contents of Popliteal fossa.
 - d) Bronchopulmonary segments.
 - e) Porta hepatis.
 - f) Structure of uterus.
 - g) Stomach bed.

2. Long answer question (**any one** out of two) : **(1×12=12)**
 - a) Describe shoulder joint under following heads :
 - i) Type and Articular surfaces. **3**
 - ii) Ligaments. **3**
 - iii) Movements and muscles producing movements. **3**
 - iv) Applied Anatomy. **3**
 - b) Describe the parotid gland under the following heads :
 - i) Gross structure and relations. **4**
 - ii) Blood supply. **3**
 - iii) Nerve supply. **3**
 - iv) Applied Anatomy. **2**

P.T.O.



SECTION – B (33 Marks)

3. Short answer question. (any four out of five) : (4×5=20)
- a) Write a note on structure and functions of Neuron. Draw a neat labelled diagram of Neuron.
 - b) Note on Glomerular filtration rate.
 - c) Note on Rh blood grouping.
 - d) Give Functions of Placenta.
 - e) Note on Sarcomere.
4. Long answer question : (1×13=13)
- a) Describe composition and functions of blood. Add a note on Anaemia. 6
 - b) Enumerate functions of gastric juice. Describe phases of gastric secretion. 7
- OR
- Long answer question : (1×13=13)
- c) Write a note on conduction system of heart. Explain with the help of a neat diagram. 6
 - d) What is Blood Pressure ? Enumerate the factors affecting blood pressure. Add a note on Baroreceptor mechanism of blood pressure regulation. 7
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