First Semester B.Sc. Nursing (2012) Examination, Winter - 2022

APPLIED ANATOMY & APPLIED PHYSIOLOGY

Total Duration : Section A+B = 3 Hours   Section B Marks : 62

SECTION - B

Instructions :
1) Use blue/black ball point pen only.
2) Do not write anything on the **blank portion of the question paper**. Rough work should not be done on the Answer Sheets or anywhere on the Question Paper except the specific space provided for the rough work. 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 section B.

2. **Long Answer Questions (Solve any 1 Out of 2) :-**   [1 × 10 = 10]
   a) Draw a neat labeled diagram of kidney, describe anterior & posterior relations and applied anatomy
   b) Describe stomach ,gross structure ,relations & applied anatomy.

3. **Short Answer Questions (Solve any 3 Out of 4) :-**   [3 × 5 = 15]
   a) Biceps brachi muscle.
   b) Structure of skin.
   c) Classification of bones with example.
   d) Anatomical Position of Thyroid gland.

4. **Short Answer Questions (Solve any 3 Out of 4)**   [3 × 2 = 6]
   a) Factors necessary for erythropoiesis
   b) Heart sounds
   c) Describe the phases of gastric secretion
   d) Antidiuretic hormone

5. **Long Answer Questions (Solve any 1 Out of 2) :-** [1 × 10 = 10]

   a) i)   Define synapse, write its classification & enumerate their properties

       ii) Describe the mechanism of synaptic transmission

   b) i)   Describe phases of menstrual cycle

       ii) Discuss the hormonal control of menstrual cycle

6. **Short Answer Questions (Solve any 3 Out of 4) :-** [3 × 5 = 15]

   a) Describe the functions of the hypothalamus

   b) Mechanism of blood pressure regulation

   c) Composition and function of saliva

   d) Puberty

7. **Short Answer Questions (Solve any 3 Out of 4) :-** [3 × 2 = 6]

   a) Neuron

   b) Pelvic floor muscles

   c) Types of tissues

   d) Aorta & its branches

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