



PY-21261

Seat No. _____

First Year B. Sc. (Basic Nursing) Examination

August – 2018

Anatomy & Physiology

Time : 3 Hours]

[Total Marks : 75

SECTION-I (Anatomy) (38 Marks)

- Instructions :** (1) Write each section in separate answer book.
(2) Draw diagrams wherever necessary.
(3) Mention clinical implications wherever necessary.

1 Describe organs of digestive system and its clinical implications. **15**

OR

1 Classify nervous system and describe autonomic nervous system. **15**

2 Write short notes on the following : (any three out of five) **15**

- (i) Define connective tissue and describe types of it.
- (ii) Describe the movements of respiration.
- (iii) Describe the adrenal gland and name the hormones secreted by it.
- (iv) Enumerate the female reproductive organs and describe uterus.
- (v) Describe the structure, functions and clinical anatomy of spleen.

3 Answer briefly : (any four out of six) **8**

- (i) Enumerate types of synovial joints with its two examples.
- (ii) Describe the differences between artery and vein
- (iii) Name the neuroglial cells and its functions.
- (iv) What are functions of cerebellum.
- (v) What is gland ? Name the exocrine glands present in the body.
- (vi) Write clinical anatomy of muscles.

SECTION-II (Physiology) (37 Marks)

- Instructions :** (1) Draw diagrams wherever necessary.
(2) Illegible writing will not fetch any marks.
(3) Figures to right indicate full marks.

- 1** Describe any one : **10**
(1) Skeletal muscle contraction
(2) Cardiac cycle.
- 2** Write short notes : (any three) **15**
(1) Red Blood Cells
(2) Functions of cerebellum
(3) Functions of skin
(4) Digestion in stomach
(5) Functions of kidney.
- 3** Explain in 2-3 sentences : **12**
(1) Enumerate name of respiratory centers.
(2) What is reflex ?
(3) Growth hormone is secreted from _____.
(anterior pituitary, adrenal cortex)
(4) Goiter is disorder of _____ gland.
(thyroid, posterior pituitary)
(5) What is GFR ?
(6) What is oogenesis ?
-