

Roll No. ....

## B.Sc.(N)-101(A&B)

**B. Sc. Nursing (First Year)**  
**Main/Suppl. EXAMINATION, 2017**

Paper First

ANATOMY AND PHYSIOLOGY

Time : Three Hours ] [ Maximum Marks : 75

Note : Attempt all questions.

Inst. : The candidates are required to answer only in serial order. If there are many parts of a question, answer them in continuation.

Section—A (Marks : 37)

1. List out parts of Nervous system and explain structure of brain with labelled diagram. 10
2. Enlist the bones of Axial and Appendicular skeleton and describe the bones of vertebral column. 5, 10
3. Briefly discuss about any *three* of the following : 4 each
  - (i) Heart with labelled diagram
  - (ii) Structure and functions of skin
  - (iii) Pituitary gland and its hormones
  - (iv) Neurotransmitters and their role
  - (v) Muscles of respiratory system

Section—B (Marks : 38)

4. Describe process of respiration in detail. 10

(C-60) P. T. O.

[ 2 ]

5. Explain mechanism of urine formation. 10
6. Briefly describe on any *three* of the following : 6 each
  - (a) Types of immune response
  - (b) Blood coagulation mechanism
  - (c) Formation of bile
  - (d) Cell mitosis and cell meiosis