



MQ-21261

Seat No. _____

First Year Basic B. Sc. (Nursing) Examination

January - 2018

Anatomy & Physiology

Time : Hours]

[Total Marks : 75

- Instructions :**
- (1) Write answers of each section in separate answer books.
 - (2) Answers should be brief and draw necessary diagrams.
 - (3) Illegible writing will not fetch any marks.
 - (4) Figures to the right indicate full marks.

SECTION - I

(Anatomy)

- 1 Describe digestive system and its parts in detail. **15**
- OR**
- 1 Define cell and describe any 5 cell organelles in detail. **15**
 - 2 Write short notes : (any **three**) **3×5=15**
 - (a) Male reproductive system
 - (b) Functions of Spleen
 - (c) Neuron
 - (d) Synovial Joint
 - (e) Lungs.
 - 3 Answer briefly (any **four**) **4×2=8**
 - (a) What is anatomical position?
 - (b) In upper limb, which artery is commonly used for blood pressure measurement and which artery is commonly used for pulse rate?
 - (c) Name the female reproductive organs.
 - (d) Difference between artery and vein
 - (e) Types of muscles.
 - (f) Enumerate the organs of urinary system.

SECTION - II

(Physiology)

- 4 What is blood pressure? Enumerate the various short-term mechanisms regulating blood arterial pressure. **10**

OR

Define reflex and reflex arc. Give classification of reflexes.

- 5 Write short notes on any **three** : **15**

- (a) Functions of thyroid hormone
- (b) Functions of placenta
- (c) Attenuation reflex
- (d) Functions of skin
- (e) Chemical regulation of respiration

- 6 Write answer in few sentences : **12**

- (a) What are the functions of platelets?
- (b) What is deglutition?
- (c) Define immunity. Give the types of immunity.
- (d) What are the functions of neuroglia?
- (e) What is cataract ?
- (f) What is excitation-contraction coupling?
