



MJ-21261

Seat No. _____

First Year B. Sc. (Basic Nursing) Examination

July – 2016

Anatomy & Physiology : Paper - I

Time : 3 Hours]

[Total Marks : 75

Instructions :

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

SECTION - I : (Anatomy) (Marks : 38)

- 1** Name the various organs of Digestive System. **15**
Describe in detail the Gross anatomy and Applied anatomy of stomach.

OR

Describe the structure and function of Cerebellum.

- 2** Write short notes on the following : (Any 3 out of 5) **15**
- (1) Describe the classification of joints.
 - (2) Describe the Portal circulation.
 - (3) Describe the Lymphatic system and its applied anatomy.
 - (4) Gross Anatomy of Lungs.
 - (5) Draw and Label structure of Eyeball.
- 3** Briefly answer following : (Any 4 out of 6) **8**
- (1) What is Epistaxis ?
 - (2) What is Haemoptysis ?
 - (3) Define cartilage and its type.
 - (4) Name any four bare areas of Liver.
 - (5) What is function of Basal Ganglia ?
 - (6) Mention the blood supply of spleen and its function.

SECTION - II : (Physiology) (Marks : 37)

- 4** Describe : (any **one**) **10**
- (1) Transport of oxygen in the body
 - (2) Mechanism of skeletal muscle contraction.
- 5** Write short notes on : (any **three**) **15**
- (1) Cardiac cycle
 - (2) Juxta glomerular apparatus
 - (3) Functions of gastric secretion
 - (4) Hemoglobin.
- 6** Briefly answer the following : (All are compulsory) **12**
- (1) Functions of platelets
 - (2) Define reflex
 - (3) What is hemostasis?
 - (4) Functions of gall bladder
 - (5) Define pulse and write the normal value of pulse rate
 - (6) Name hormones from pancreas.
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