



ML-7791

Seat No. _____

First Year B. P. T. Examination

July - 2016

Human Anatomy

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Draw diagrams where necessary.
(2) Figures to right indicate full marks.
(3) Write each section in a separate answer book.

SECTION - I

- 1** Write any two : **20**
(1) Muscles of front of Arm
(2) Mid Palmar space
(3) Brachial plexus with applied anatomy
- 2** Write short notes on : **10**
(1) Temporomandibular joint
OR
Extra ocular muscles
(2) Corpus callosum
OR
Transverse Section of midbrain at the level of superior colliculus
- 3** Write in short : (any five) **10**
(1) Transitional epithelium.
(2) Histology of elastic artery.
(3) Histology of skeletal muscle.
(4) Name the muscles of tongue and write their nerve supply.
(5) Which are the structures passing through foramen ovale?
(6) What is Anastomosis?

4 Choose the correct answers :

10

- (1) Surgical neck of humerus is related to:
 - (A) Median nerve
 - (B) Ulnar nerve
 - (C) Musculocutaneous nerve
 - (D) Axillary nerve

- (2) Following bones form Wrist joint except:
 - (A) Head of ulna
 - (B) Scaphoid
 - (C) Lower end of radius
 - (D) Lunate

- (3) Pes anserinus is the arrangement in which of the following nerves:
 - (A) Vagus
 - (B) Trigeminal
 - (C) Glossopharyngeal
 - (D) Facial

- (4) Which of the following muscles is not supplied by Ansa cervicalis ?
 - (A) Sternothyroid
 - (B) Stemohyoid
 - (C) Geniohyoid
 - (D) Inferior belly of Omohyoid

- (5) Brocas area is located in
 - (A) Parietal lobe
 - (B) Frontal lobe
 - (C) Temporal lobe
 - (D) Occipital lobe

- (6) In infants spinal cord ends at the level of
 - (A) L3
 - (B) L5
 - (C) L1
 - (D) S1

- (7) Following are hyaline cartilages except:
 - (A) Epiphyseal cartilage
 - (B) Cricoid cartilage
 - (C) Trachea
 - (D) Epiglottis

- (8) Single layer of endothelium is in:
 - (A) Arterioles
 - (B) Capillaries
 - (C) Venule
 - (D) End arteries

- (9) The coracoids process of Scapula is an example of:
(A) Traction epiphysis (B) Pressure epiphysis
(C) Atavistic epiphysis (D) Aberrant epiphysis
- (10) All of the following are characteristics of cardiac muscle except :
(A) Striations (B) Multinucleated
(C) Intercalated disc (D) Involuntary

SECTION - II

- 5** Write any two : **20**
(1) Knee joint
(2) Guy ropes muscles
(3) Sciatic nerve
- 6** Write short notes on : **10**
(1) Blood supply of the stomach
OR
2nd part of duodenum
(2) Right coronary artery
OR
Bronchopulmonary Segments
- 7** Write any five : **10**
(1) Derivatives of Neural crest.
(2) What is Spermatogenesis?
(3) Derivatives of mesoderm.
(4) What is McBumey's point? Give its clinical significance.
(5) What is the blood supply of Pancreas?
(6) Which are the types of joint?
- 8** Choose the correct answers : **10**
(1) Which of the following is hybrid muscle?
(A) Pectineus (B) Adductor longus
(C) Soleus (D) Gracilis

- (2) Which of the following structures passes deep to flexor retinaculum of the ankle?
- (A) Tibialis Anterior
 - (B) Extensor hallucis longus
 - (C) Saphenous vein
 - (D) Posterior tibial artery
- (3) The skin around the umbilicus is innervated by which of the following segments ?
- (A) T8
 - (B) T9
 - (C) T10
 - (D) T11
- (4) Uterine artery is a branch of which artery?
- (A) External iliac
 - (B) Internal iliac
 - (C) Abdominal aorta
 - (D) Common iliac
- (5) Apex of the heart is formed by:
- (A) Left atrium
 - (B) Left ventricle
 - (C) Right atrium
 - (D) Right ventricle
- (6) Root value of Phrenic nerve is:
- (A) C1,2,3
 - (B) C3,4,5
 - (C) C2,3
 - (D) C3,4
- (7) At which cell stage the embryo is called Morula?
- (A) Sixteen cell stage
 - (B) Four cell stage
 - (C) Eight cell stage
 - (D) Twelve cell stage
- (8) Somites form following except:
- (A) Sclerotome
 - (B) Dermatome
 - (C) Neurotome
 - (D) Myotome
- (9) Neuroglial cells are as follows except:
- (A) Microglial cells
 - (B) Stellate cell
 - (C) Astrocytes
 - (D) Oligodendrocytes
- (10) Air containing bone is called:
- (A) Sesamoid bone
 - (B) Flat bone
 - (C) Irregular bone
 - (D) Pneumatic bone