



J-7791

Seat No. _____

First Year Physiotherapy Examination

July – 2019

**Human Anatomy
(Old Course)**

Time : **3 Hours]**

[Total Marks : **100**

Instructions :

- (1) Use separate answer book for each section.
- (2) Draw the diagram where necessary.

SECTION - I

- 1** Write any **two** : **20**
 - a) Muscles of arm
 - b) Elbow joint
 - c) Brachial plexus.

- 2** Write short notes on : **10**
 - a) Scalp **OR** Posterior triangle of neck
 - b) Coverings of brain and spinal cord **OR** Ventricles of brain

- 3** Write in short : (any **five**) **10**
 - a) Histology of epithelium
 - b) Histology of loose areolar tissue
 - c) Histology of hyaline cartilage
 - d) Name the dural venous sinuses
 - e) Ligaments of Temporo-mandibular joint
 - f) Classification of synovial joints

- 4** Choose the correct answer : **10**
 1. Brachial artery is a continuation of :
 - a) Subclavian artery
 - b) Axillary artery
 - c) Radial artery
 - d) Ulnar artery

2. Anconeus muscle belongs to :
 - a) Hypothenar compartment
 - b) Thenar compartment
 - c) Extensor compartment of forearm
 - d) Flexor compartment of forearm
3. Otic ganglion is located :
 - a) Below the foramen ovale
 - b) Below the jugular foramen
 - c) Below the hypoglossal canal
 - d) Below the carotid canal
4. Superficial temporal artery is :
 - a) Anterior branch of external carotid artery
 - b) Posterior branch of external carotid artery
 - c) Terminal branch of external carotid artery
 - d) Terminal branch of internal carotid artery
5. CSF is present in :
 - a) Subdural space
 - b) Extradural space
 - c) Subarachnoid space
 - d) Extra arachnoid space
6. Cerebellum is developed from :
 - a) Prosencephalon b) Mesencephalon
 - c) Rhombencephalon d) None of the above
7. Umbrella shaped cells are found in :
 - a) Transitional epithelium
 - b) Squamous epithelium
 - c) Pseudostratified columnar epithelium
 - d) Cuboidal epithelium
8. Bone removal cells are :
 - a) Osteoblasts b) Osteoclasts
 - c) Osteocytes d) Osteon
9. Dendritic cells of Langerhans is present in :
 - a) Epidermis b) Hypodermis
 - c) Extradermis d) Intradermis
10. Non keratinised stratified squamous epithelium is present in :
 - a) Tonsil b) Spleen
 - c) Lymphnode d) Thymus

SECTION - II

- 5 Write any **two** : **20**
- a) Muscles of the calf
 - b) Ankle joint
 - c) Hamstring muscles.
- 6 Write short notes on : **10**
- a) Anatomy of Rectus sheath **OR** Anatomy of urogenital organs
 - b) Movements of respiration **OR** Anatomy of lungs
- 7 Write any **five** : **10**
- a) Stages of fertilisation
 - b) Stages of ovulation
 - c) Stages of spermatogenesis
 - d) Muscles of anterior abdominal wall
 - e) Name the parts of alimentary system
 - f) Classify the types of epiphysis.
- 8 Choose the correct answer : **10**
1. The following muscle is NOT present in Guy ropes :
 - a) Sartorius b) Gracilis
 - c) Semitendinosus d) Semimembranosus
 2. Tibial part of sciatic nerve supplies :
 - a) Adductor longus b) Adductor brevis
 - c) Adductor magnus d) None of the above
 3. Spleen is present in :
 - a) Left hypochondriac region
 - b) Right hypochondriac region
 - c) Left iliac fossa
 - d) Right iliac fossa

4. Greater omentum is attached on :
 - a) Stomach
 - b) Liver
 - c) Lungs
 - d) heart
 5. Heart is present in :
 - a) Anterior mediastinum
 - b) Posterior mediastinum
 - c) Middle mediastinum
 - d) Inferior mediastinum
 6. Root of the left lung is arched by :
 - a) Arch of aorta
 - b) Azygos vein
 - c) Hemiazygos vein
 - d) Brachiocephalic trunk
 7. The following is NOT a stage of prophase of meiosis -1
 - a) Leptotene
 - b) Zygotene
 - c) Pachytene
 - d) Anaphase
 8. Stapes develops from :
 - a) 1st branchial arch
 - b) 2nd branchial arch
 - c) 3rd branchial arch
 - d) 4th branchial arch
 9. Which of the following is a saddle variety of synovial joint ?
 - a) Elbow joint
 - b) 1st carpo-metacarpal joint
 - c) Interphalangeal joint
 - d) Hip joint
 10. Intercalated disc is present in :
 - a) Skeletal muscle
 - b) Smooth muscle
 - c) Cardiac muscle
 - d) None of the above
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