

2/1562

1020E324

Candidate's Seat No

## First M.B.B.S. (New Course) Examination

## Anatomy

## Paper-I

Date : 19-10-2020, Monday]

[Max. Marks : 100

[Time : 3 Hours

- Instructions :
- (1) Answer to the point.
  - (2) Figure to the right indicates marks.
  - (3) Draw diagrams wherever necessary.
  - (4) Write legibly.
  - (5) Use separate answer books for each section.

Section-1

Q-1 Write the following Structured Long Question (Any 1 out of 2)

1x10=10

1. Describe root value, course, branches, applied anatomy and muscles supplied by Ulnar Nerve in hand. (1+2+2+3+2)
- ✓ 2. Describe Type, ligaments, relations, muscles responsible for the movement and applied anatomy of Shoulder joint. (1+2+2+2+3)

Q-2 (a) Write the following Case based scenario/Applied Short notes. (Any 2 out of 3) 2x6=12

- ✓ 1. A 53-year-old man presented with the following: sagging down of the left side of his face; left inferior eyelid everted, widened left palpebral fissure, difficulty in chewing and dribbling of saliva. (1+3+2)
  - ✓ a. What will be your provisional diagnosis?
  - ✓ b. What are the anatomical reasons for the presenting features?
  - ✓ c. What other symptoms/signs will you look for/ elicit in this patient?
2. Applied anatomy of spinal cord
- ✓ 3. A medical student was observing some coolies on the street. One of them was trying to stand in front of wall and rest a little. As the man was pushing his upper limbs on the wall, the medical student noticed that there "Winging of scapula" on the right side. (1+3+2)
  - ✓ a. What is winging of scapula?
  - ✓ b. Which nerve is affected in this condition? Write its anatomical basis.
  - ✓ c. List out reasons for injury to the nerve

Q-2 (b) Write Short Notes (Any 3 out of 4)

3x6=18

- ✓ 1. Classification of joint with examples
- ✓ 2. Histology of Hyaline Cartilage
- ✓ 3. Histology of Cerebellum
- ✓ 4. Development of Tongue

axial, appendicular, skull, vertebral

[P.T.O.]

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Q-3 Answer only in 2-3 sentences (Any 5 out of 6)

5x2=10

- ✓ 1. What is End artery? Give examples.
- ✓ 2. Write derivatives of Second Branchial arch.
- ✓ 3. Which are the types of Neuroglia?
- ✓ 4. Define Prime movers with one example.
- ✓ 5. What is Stratified Squamous epithelium? Which are the sites where it is present?
- ✓ 6. What is portal triad?

Section -2

Q-4 Write following Structured Long Question (Any 1 out of 2)

1x10=10

1. Describe Origin, insertion, nerve supply, actions and applied anatomy of Extraocular muscles. (2+2+2+2+2)
2. Classify Dural venous sinuses. Describe Relations, communication and applied anatomy of cavernous sinus. (2+2+3+3)

Q-5 (a) Write Short Notes (Any 2 out of 3)

2x6=12

- ✓ 1. Brachial Artery
- ✓ 2. Boundaries and content of Middle Ear
3. Pterygopalatine Ganglion

Q-5 (b) Write Short Notes (Any 3 out of 4)

3x6=18

1. Corpus Callosum
2. Circle of Willis
3. Transverse section of Midbrain at the level of Superior colliculus
4. Third Ventricle

Q-6 Answer only in 2-3 sentences (Any 5 out of 6)

5x2=10

- ✓ 1. What is Carpal Tunnel syndrome?
- ✓ 2. Name the muscles of mastication and its nerve supply.
- ✓ 3. Which is the safety muscle of larynx? Why?
- ✓ 4. What is Rotator cuff syndrome?
- ✓ 5. Explain "Black eye" in case of accident.
- ✓ 6. Define Neurobiotaxis with example