



23-02-2021

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I-MBBS

(This question paper consists of 2 pages)
First M.B.B.S. (Main) Examination (New Scheme)

February - 2021

Human Anatomy

Paper- I

Time: Three Hours

Maximum Marks: 100

Attempt all questions in both sections
(Use separate answer book for each section)

Section-A

1. Fill in the blanks:

6 x 1 = 06

- a) Red nucleus is situated at _____ level of mid brain.
- b) _____ nerve injury leads to wrist drop.
- c) The length of auditory tube in adult person is _____ mm.
- d) Hyoid bone develops from _____ and _____ arches.
- e) Nasolacrimal duct opens into _____ meatus.
- f) Broca's Area is located in _____ gyrus.

2. Answer the following MCQ:

4 x 1 = 04

- i) Lowest projection of ligamentum denticulum lies at which level of spinal nerves-
a) T9 – T10 b) T12 – L1 c) S2 – S3 d) S4 – S5
- ii) Rotator cuff is formed by all except-
a) Supraspinatus b) Infraspinatus c) Teres major d) Subscapularis
- iii) Recurrent laryngeal nerve supplies all muscles, except-
a) Posterior cricoarytenoid b) Oblique arytenoids
c) Lateral cricoarytenoid d) Cricothyroid
- iv) Which of the following air sinuses is first to develop?
a) Maxillary b) Ethmoidal c) Frontal d) Sphenoidal

3. A young female comes to OPD with history of fall on the shoulder having deformity in her right arm hangs by the side, it is adducted and medially rotated and her right forearm is extended and pronated.

3 x 5 = 15

- a) What is the site of injury and involved nerve roots?
- b) Name the muscles paralysed.
- c) What are the disabilities due to it?

4. Write short notes on (Any five):

5 x 2 = 10

- a) Spina bifida b) Nasal septum c) Autosomal Recessive Inheritance
- d) Spermiogenesis e) Pyramidal tract f) Secondary cartilaginous joints



5. Explain briefly (Any three):

3 x 5 = 15

- a) Circle of Willis
- b) Tympanic membrane
- c) Lymphatic drainage of breast
- d) Deltoid muscle.

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Section-B

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6. Describe PAROTID GLAND under the following headings:

4 x 5 = 20

- a) Gross anatomy
- b) Relations
- c) Nerve supply
- d) Clinical anatomy

7. Write short notes on (Any five):

5 x 2 = 10

- a) Ciliary Ganglion
- b) Median cubital vein
- c) Floor of fourth ventricle
- d) Development of tongue
- e) Branches of external carotid artery
- f) Structure forming placental barrier

8. Explain briefly (Any four):

4 x 5 = 20

- a) Lateral medullary syndrome
- b) Internal capsule
- c) Styloid apparatus
- d) Microanatomy of palatine tonsil
- e) Ulnar nerve in hand