

I-MBBS

(This question paper consists of 2 pages)  
First M.B.B.S. (New Scheme) (Main) Examination  
August - 2024

**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**

6 x 1 = 06

1. Fill in the blanks:

- a) \_\_\_\_\_ nerve injury leads to wrist drop.
- b) \_\_\_\_\_ is the safety muscle of larynx.
- c) \_\_\_\_\_ artery passes between the roots of auriculotemporal nerve.
- d) First carpometacarpal joint is \_\_\_\_\_ variety of synovial joint.
- e) Red nucleus is situated at \_\_\_\_\_ level of mid brain.
- f) Subarachnoid space extends till \_\_\_\_\_ vertebra.

2. Answer the following MCQ:

4 x 1 = 04

i) Which nucleus is related to ciliary ganglion?

- a) Superior salivatory      b) Lacrimal
- c) Inferior salivatory      d) Edinger- Westphal

ii) Most of the muscles of soft palate are supplied by vago- accessory complex except:

- a) Levator veli palatine      b) Tensor veli palatini
- c) Palatoglossus      d) Musculus uvulae

iii) One of the following symptoms is not seen in Horner's syndrome:

- a) Complete Ptosis      b) Miosis
- c) Anhydrosis      d) Enophthalmos

iv) Rotator cuff is formed by all except:

- a) Subscapularis      b) Teres major
- c) Supraspinatus      d) Teres minor

3. A old man after neck surgery on left side of neck his tongue on protrution deviated to left side and also loss of muscle mass on left side of the tongue.

- a) Give anatomical basis of deviation of tongue on protrution. 03
- b) Describe muscles of tongue. (Names only) 03
- c) Describe nerve supply of tongue. 03
- d) Describe lymphatic drainage of tongue. 03

e) How the tongue develop?

03

4. Write short notes on (Any five):

5 x 2 = 10

- ✓a) Erb's paralysis
- ✓b) Tympanic membrane
- c) Styloid apparatus
- ✓d) Flexor retinaculum of wrist
- e) Spermiogenesis
- ✓f) Lateral medullary syndrome

5. Explain briefly (Any three):

3 x 5 = 15

- ✓a) Scalp
- ✓b) Deltoid muscle
- ✓c) Internal capsule
- d) Axillary artery

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### Section-B

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) Ansa cervicalis
- b) Spinocerebellar pathway
- ✓c) Arterial blood supply of nasal septum
- ✓d) Anatomical snuff box
- e) Corpus callosum
- f) Nerve supply of nail beds of all five digitis

8. Explain briefly (8a is compulsory & do any three from 8b to 8e):

4 x 5 = 20

- ✓a) Handling of cadaver and other biological tissue in dissection hall
- ✓b) Cubital fossa
- ✓c) Floor of fourth ventricle
- ✓d) Circle of Willis
- e) Microanatomy of Retina