

First Year MBBS Examination

I MBBS Anatomy Paper 1

Time: 3 hours Max Marks: 100

Instructions:

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Write following structured long question (any 1 out of 2) (10)
 - a. Answer the following regarding shoulder joint- (1+2+3+1+3) a) Type of joint b) Ligaments c) Factors responsible for its mobility d) Nerve supply e) Abduction movement
 - b. Describe the median nerve under the following headings- (4+2+4) a) the origin and course in arm and forearm, b) distribution in forearm, and c) effects of injury when site of injury is at arm
2. Case based scenario/ Applied short note (any 2 out of 3) (12)
 - a. Neglected infection in dangerous area of face

of a patient leads to cavernous sinus thrombosis. State the reason from your knowledge of Anatomy. Mention the tributaries and relations of the sinus with suitable diagrams. (2+2+2)

- b. A patient presents with wrist drop following injury to humerus. Which structure has been injured? What are the different parts of brachial plexus? Explain the deformity caused, (1+3+2)
- c. A patient presents with hemiplegia. On investigation it was diagnosed a case of cerebro vascular accident due to cerebral hemorrhage in internal capsule. Draw a diagram to show different fibres passing through its different parts. Give an account of its blood supply. (3+3)

3. Write Short notes (any 3 out of 4} 3x6=18 (18)

- a. Cleft palate
- b. Blood supply of a typical long bone
- c. Effects of fertilization
- d. Histology of cerebellum

4. Answer in 2-3 sentences (any 5 out of 6)

5x2=10 (10)

- a. Types of bones according to ossification
- b. Sites of transitional epithelium
- c. Site of development of branchial cyst
- d. Cnumerate the general sensory nerves supplying tongue
- e. Enumerete different types of epiphyses
- f. Write four sites of hyaline cartilage present in body

Section 2

1. Write foliowing structured long question (any 1 out of 2) (10)
 - a. Following exposure to cold one patient presents with drocling of saliva, obliteration of naso- labial furrow. What is the possible diagnosis? What are the different functional components of the structure involved? Write about distribution of its different branches. (2+4+4)
 - b. A patient presents with hoarseness of voice following thyroid surgery. Explain this

incidence with your knowledge of Anatomy.
What is rima glottidis? What are its various shapes under different physiological conditions? (3+3+4)

2. Write short note (any 2 out of 3) $2 \times 6 = 12$ (12)

- a. Carpal tunnel syndrome
- b. Axillary lymph nodes
- c. Tonsillar bed

3. Write Short notes (any 3 out of 4) $3 \times 6 = 18$ (18)

- a. Pathway of accommodation reflex
- b. Floor of fourth ventricle
- c. Pterygo-palatine ganglion
- d. Commissural fibres

4. Answer in 2-3 sentences (any 5 out of 6)
 $5 \times 2 = 10$ (10)

- a. Enumerate the joints of supination and pronation
 - b. Specify two reasons to consider clavicle as modified long bone
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- c. Long thoracic nerve-root value and muscle supplied by it.
- d. Enumerate the structures passing through parotid gland
- e. Enumerate different layers of scalp
- f. Specify function of the paracentral lobule

End of Paper

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