

**0422EANAT**  
**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 the following structured Long Question (any 1 out of 2)

(10)

- a. Define prefixed and post fixed brachial plexus. Write the branches of brachial plexus. What is Erb's paralysis?
  - b. Enumerate the movements, muscles causing movements, nerve supply of shoulder joint. What is winging of scapula?
2. Write the following Case based scenario/Applied short notes. (Any 2 out of 3)

(12)

- a. A 42 year old woman was diagnosed to be suffering from breast carcinoma. Answer the following: a) What type of gland is this? b) Name its deep relations. c) Write the lymphatic drainage of the gland.
  - b. A 55 year old woman complained of swelling of neck in midline with hoarseness of voice since 3 months. Answer the following: a) Name the nerve involved in this case. b) Write the blood supply of the gland involved in this case. c) Write the embryological origin of the gland.
  - c. Cerebellar syndrome.
3. Write short notes (Any 3 out of 4)

(18)

- a. Classify General Anatomy of Epiphysis
  - b. Compare histology: Smooth Muscle vs Cardiac Muscle
  - c. Compare histology: Hyaline Cartilage vs Elastic cartilage.
  - d. Development of Tongue.
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4. Answer only in 2-3 sentences (any 5 out of 6)

(10)

- a. Classify bones according to shape.
- b. Classify Neuroglia
- c. Draw and label: Palatine tonsil
- d. Development of Parathyroid glands
- e. Classify Compound Epithelium
- f. Classify Joints

## Section 2

1. Write the following structured Long Question (any 1 out of 2)

(10)

- a. Name the layers of scalp along with blood supply and clinical importance.
- b. Classify Temporomandibular Joint. Name the Ligaments, movements and muscles causing the movements.

2. Write short notes (Any 2 out of 3)

(12)

- a. Cubital fossa
- b. Bones forming Bony Orbit
- c. Cartilages of Larynx

3. Write short notes (Any 3 out of 4)

(18)

- a. Cerebellar Nuclei
- b. Floor of 4th ventricle
- c. Corpus callosum
- d. CSF circulation

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

(10)

- a. Carpal Tunnel Syndrome
- b. Klumpke's Paralysis
- c. Circle of Willis
- d. Structures passing through Foramen Ovale
- e. Cranial nerve nuclei attached to Midbrain and Pons with functional components.
- f. Name the branches of external carotid artery.