

Date: 03-01-2022

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. Describe the Median nerve under following headings. a) Root value b) Course c) Relations d) Branches e) Applied anatomy.
 - b. Define pronation and supination. Enumerate the type of joints involved. Give the attachments, nerve supply and actions of the muscles causing them.

~~2. Write the following Case based scenario/Applied~~

short notes. (Any 2 out of 3) (12)

- a. A 15-year-old boy fell off the bicycle came to OPD with pain in shoulder region. Fracture was seen in X-ray. On examination right shoulder has been depressed. He was treated with figure of 8 bandage. With these details answer the following questions. a) What was the bone referred in X-ray? b) What is the common site of fracture of the bone referred? c) Write the ossification of the bone referred. d) Write the peculiarities of the bone referred.
 - b. An 8-year-old girl was suffering from recurrent attacks of sore throat and difficulty in swallowing and had pain in throat and also in her ears. On examination both her tonsils were enlarged. Girl also had enlarged and tender tonsillar nodes. She was diagnosed as a case of tonsillitis by the physician. Based on this answer the following questions. a) What are the boundaries of tonsillar fossa? b) Write arterial supply of the tonsil. c) What is the cause of earache?
 - c. Applied anatomy of Medulla oblongata.
3. Write short notes (Any 3 out of 4) (18)
- a. Types of Epiphyses with examples.
 - b. Microscopic anatomy of pituitary gland.
 - c. Development of Palate.
 - d. Compare histology of thick skin and thin skin.

4. Answer only in 2-3 sentences (any 5 out of 6) (10)

- a. Specialization on the apical surface of epithelial cells.
- b. Write about sarcomere.
- c. Write about Axis artery of upper limb.
- d. Draw and label T.S. of bone.
- e. Derivatives of 2nd pharyngeal arch.
- f. Write in brief blood supply of long bone with a diagram.

Section 2

1. Write the following structured Long Question (any 1 out of 2) (10)
 - a. Describe the tongue under following headings:
 - a) Movements of tongue & Muscles producing them.
 - b) Blood supply
 - c) lymphatic drainage.
 - d) Nerve supply correlation with its development.
 - b. Write about Lateral wall of nose under following headings:
 - a) Bones forming lateral wall
 - b) Conchae and Meatuses
 - c) Blood Supply
 - d) Nerve Supply
2. Write short notes (Any 2 out of 3) (12)
 - a. Ciliary ganglion
 - b. Boundaries, contents and applied anatomy of Subscapular spaces.
 - c. Boundaries and contents of Suboccipital triangle.
3. Write short notes (Any 3 out of 4) (18)
 - a. Transverse section of Mid Brain at the level of

- of Superior Colliculus.
- b. Sub arachnoid cisterns.
 - c. Functional areas on superolateral surface of cerebral hemisphere.
 - d. Enumerate the modifications of Piamater.
4. Answer only in 2-3 sentences (any 5 out of 6) (10)
- a. Fontanelle.
 - b. Origin and distribution of chorda tympani nerve.
 - c. Write in brief about Fornix othe the brain.
 - d. Draw and label superficial and deep palmar arterial arches.
 - e. Structures passing through foramen Magnum.
 - f. Four (4) peculiarities of Clavicle.