

06-11-2023

I-MBBS

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(This question paper consists of 2 pages)

**First M.B.B.S. (New Scheme) (Main) Examination****November - 2023****Human Anatomy****Paper- I****Time: Three Hours****Maximum Marks: 100**

Attempt all questions in both sections.

(Use separate answer book for each section)

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**Section-A****1. Fill in the blanks:****6x1=06**

- a) \_\_\_\_\_ is the only intrinsic laryngeal muscle that is supplied by external laryngeal nerve.
- b) Motor speech area corresponds to \_\_\_\_\_ in the dominant hemisphere.
- c) Fertilization takes place in \_\_\_\_\_.
- d) Ligament of Cooper are modifications of \_\_\_\_\_.
- e) In \_\_\_\_\_ the number of chromosomes of the daughter cells is reduced to half of mother cells.
- f) \_\_\_\_\_ permit the movement of supination & pronation.

**2. Answer the following MCQ:****4x1=4**

- i) Plane at right angle to the long axis of body is called:
- a) Sagittal
- b) Coronal
- c) Transverse
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d) Oblique

ii) Coracoid process of scapula is example of:

- a) Atavistic
- b) Pressure
- c) Traction
- d) Aberrant

iii) Tympanic membrane develops from following cleft membrane:

- a) First
- b) Second
- c) Third
- d) Fourth

iv) Which laryngeal cartilage forms a complete ring:

- a) Epiglottis
- b) Thyroid
- c) Arytenoid
- d) Cricoid

3. A patient presented with a red, swollen and painful right eye accompanied by high temperature. Because the movement of right eye was painful, the doctor could not test the muscles of that eye. Pupil in the right eye was fixed and dilated. CT scan showed thrombosis in the cavernous sinus. 3 x 5 = 15

- a) Draw a diagram to show the nerves in relation to the cavernous sinus.
- b) Dilated and fixed pupil is suggestive of involvement of which cranial nerve?

c) Name the dural venous sinuses which are the tributaries of the cavernous sinus.

**4. Write short notes on (Any five):**

**5 x 2 = 10**

- a) Dangerous area of face
- b) Erb's point
- c) Microanatomy of spinal cord
- d) Muscles involved in supination and elbow flexion
- e) Branches of radial artery
- f) Parts of temporal bone

**5. Explain briefly:**

**3 x 5 = 15**

- a) Movement of vocal cords
- b) First Carpometacarpal joint
- c) Inferior cerebellar peduncle

**Section-B**

6. Describe shoulder joint under the following headings:

**4 x 5 = 20**

- a) Gross anatomy
- b) Relations
- c) Movements
- d) Clinical anatomy

**7. Write short notes on (Any five):**

**5 x 2 = 10**

- a) Hyaline cartilage

- b) Ciliary ganglion
- c) Clavipectoral fascia
- d) Deltoid muscle
- e) Internal capsule blood supply
- f) Circle of Willis

**8. Explain briefly (Any four):**

**4 x 5 = 20**

- a) Capacitation
- b) Tympanic membrane
- c) Lateral corticospinal tract
- d) Facial artery- origin, course and distribution
- e) Extensor expansion of the middle finger

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