

QP CODE : 1020

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I (CBME) Degree Examination - 25-Apr-2023**Time: Three Hours****Max. Marks: 100 Marks****ANATOMY – PAPER-I (RS-4)****Q.P. CODE: 1020****(QP Contains two pages)**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS**2x10= 20 Marks**

1. Describe the ulnar nerve under the following headings
 - a) Root value
 - b) Course and relations in hand
 - c) Branches in hand
 - d) Applied anatomy
2. A 20 year old young adult gets hit by a cricket ball on the left eye. He complained of double vision. On examination, lateral squint was observed.
 - a) Mention the muscle affected in lateral squint.
 - b) Describe the attachment, nerve supply and actions of all the extraocular muscles of eyeball.

SHORT ESSAYS**8x5= 40 Marks**

3. Describe the microscopic structure of serous salivary gland with a neat labelled diagram.
4. Describe the formation and fate of Notochord.
5. Describe the interior of right atrium.
6. Define a bronchopulmonary segment. Enumerate the bronchopulmonary segments of both lungs. Add a note on applied anatomy
7. Describe the origin, insertion, nerve supply and actions of Triceps brachii.
8. Describe the origin, course and branches of Facial artery.
9. Describe the boundaries and recesses of third ventricle.
10. Describe the parts, relations and connections of corpus callosum.

SHORT ANSWERS**10x3= 30 Marks**

11. Enumerate the paranasal air sinuses.
12. Define implantation. Mention any two abnormal sites of implantation.
13. List the structures piercing clavipectoral fascia.
14. Classify fibrous joints with examples.
15. Mention the vertebral levels of major openings of diaphragm. Enumerate the structure passing through them.
16. List three differences between cartilage and Bone.
17. List any six events occurring at sternal angle.
18. Mention the blood supply of Thyroid gland.
19. List out the components of Waldeyer's ring.

Rajiv Gandhi University of Health Sciences, Karnataka

20. Enumerate the deep cerebellar nuclei

Multiple Choice Questions

10x1 = 10 Marks

- 21 i) Which of the following is a content of upper triangular space?
- A. Radial nerve
 - B. Axillary nerve
 - C. Suprascapular artery
 - D. Circumflex scapular artery
- 21 ii) Lower limit of pleura at mid-axillary line is at the level of
- A. T₆
 - B. T₈
 - C. T₁₀
 - D. T₁₂
- 21 iii) Oculomotor nuclear complex is present in
- A. Midbrain
 - B. Pons
 - C. Medulla oblongata
 - D. Spinal cord
- 21 iv) Which of the following structures traverses the whole length of mediastinum
- A. Recurrent laryngeal nerve
 - B. Trachea
 - C. Brachiocephalic vein
 - D. Sympathetic trunk
- 21 v) The three barriers that sperm has to penetrate before fertilization include all the following **EXCEPT**
- A. Acrosomal cap
 - B. Vitelline membrane
 - C. Corona radiata
 - D. Zona pellucida
- 22 i) Which of the parasympathetic ganglion does **NOT** have a secretomotor root
- A. Ciliary
 - B. Otic
 - C. Pterygopalatine
 - D. Submandibular
- 22 ii) Which of the following is called the Lymph node of tongue
- A. Post auricular
 - B. Jugulo omohyoid
 - C. Jugulo digastric
 - D. Preauricular
- 22 iii) Falx cerebri is related to which of the following dural venous sinuses
- A. Superior and inferior sagittal sinus
 - B. Superior and Inferior petrosal sinus
 - C. Transverse and sigmoid sinus
 - D. Anterior and posterior intercavernous sinus

QP CODE : 1020

Rajiv Gandhi University of Health Sciences, Karnataka

22 iv) Which of the following is a microscopic feature of cardiac muscle

- A. Eccentric nucleus
- B. Fusiform shaped
- C. Intercalated disc
- D. No branching

22 v) The first bone to start ossifying is

- A. Mandible
- B. Femur
- C. Clavicle
- D. Humerus
