

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I (CBME) Degree Examination - 10-Feb-2024

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**2 x 10 = 20 Marks**

1. A 70 year old female patient came to hospital with the complaint of hard fixed mass of 8 cms in the right breast. She was diagnosed with carcinoma of breast. Mention the extent, blood supply and lymphatic drainage of mammary gland.
2. Classify dural venous sinuses. Write about the relations, contents and tributaries of cavernous sinus.

SHORT ESSAYS**8 x 5 = 40 Marks**

3. Describe the attachments of rotator cuff muscles.
4. Describe the external and internal features of right atrium.
5. Write about formation, course, termination and area of drainage of thoracic duct.
6. Describe the stages and consequences of fertilization.
7. Describe the modification of simple columnar epithelium with diagram and examples.
8. Trace the pathway of submandibular ganglion. (Sensory, sympathetic and parasympathetic)
9. Describe the parts, fibres passing through and blood supply of internal capsule.
10. Describe the boundaries of posterior horn and inferior horn of lateral ventricle.

SHORT ANSWERS**10 x 3 = 30 Marks**

11. Mention the formation and fate of Notochord.
12. Compare and contrast general features of arteries and veins.
13. Name the veins connected by Median cubital vein. Mention the clinical importance of median cubital vein.
14. List the papillary muscles of right ventricle and their function.
15. List the branches of internal thoracic artery.
16. Mention the location of Little's area in the nose and arteries anastomosing in this area.
17. Draw a neat labelled diagram of tympanic membrane showing its features.
18. List the cartilages of larynx.
19. List three commissural fibres of brain.
20. Classify cartilaginous joints with examples.

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Multiple Choice Questions

10 x 1 = 10 Marks

- 21 i) Bronchopulmonary segment is aerated by
A. Tertiary bronchus
B. Eparterial bronchus
C. Secondary bronchiole
D. Hyparterial bronchus
- 21 ii) Main artery supplying the Interventricular septum
A. Anterior interventricular artery
B. Posterior interventricular artery
C. Diagonal artery
D. Marginal artery
- 21 iii) Which of the following muscles has dual nerve supply
A. Coracobrachialis
B. Biceps brachii
C. Brachialis
D. Brachioradialis
- 21 iv) Primary auditory area is located in
A. Superior temporal gyrus
B. Middle temporal gyrus
C. Superior frontal gyrus
D. Middle frontal gyrus
- 21 v) Carotid tubercle is present in which of the following vertebra
A. 4th cervical
B. 5th cervical
C. 6th cervical
D. 7th cervical
- 22 i) Nerve supply of posterior one third of tongue
A. Chorda Tympani nerve
B. Lingual nerve
C. Glossopharyngeal nerve
D. Mandibular nerve
- 22 ii) Elastic fibres are predominantly present in which of the following organs
A. Spleen
B. Thymus
C. Stomach
D. Lung
- 22 iii) The outer layer of blastocyst is called
A. Primitive streak
B. Yolk sac
C. Embryo proper
D. Trophoblast
- 22 iv) The structural and functional unit of a skeletal muscle is
A. Sarcomere
B. Sarcosome
C. Sarcolemma
D. Sarcoplasm
- 22 v) Inferior thyroid vein drains into
A. Internal jugular vein
B. External Jugular vein
C. Brachiocephalic vein
D. Subclavian vein
