

Rajiv Gandhi University of Health Sciences, Karnataka
MBBS Phase – I (CBME) Degree Examination - 16-Nov-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****2 x 10 = 20 Marks**

1. Describe Cavernous sinus under the following headings:
 - a. Relations
 - b. Contents
 - c. Tributaries
 - d. Applied Aspects
2. Describe right atrium under following headings:
 - a. External features
 - b. Internal features
 - c. Blood supply
 - d. Mention the anatomical basis for thrombus formation in right atrium

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

3. Describe the relations of anterior and inferior horns of lateral ventricle.
4. Describe the microscopic structure of lymph node with a diagram.
5. Describe the attachment, nerve supply and action of deltoid muscle. Add a note on applied anatomy
6. Describe the boundaries and contents of cubital fossa.
7. Describe the anatomical classification of Cerebellum. Add a note on blood supply.
8. A 28 year old female complains of pain and numbness in the thenar eminence of the right palm.
 - a) Name the nerve affected in this condition.
 - b) Describe the distribution of this nerve in the hand.
9. Enumerate the contents middle ear. Describe the features on the medial wall of middle ear
10. Classify and describe the chorionic villi

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

11. Mention the spinal level of formation of Cauda equina. List the nerve roots affected in Cauda equina syndrome
12. Mention the arteries forming superficial palmar arch and name the branches from it.
13. Draw a neat labelled diagram of hilum of right lung.
14. State the embryological basis of monozygotic twins.
15. Define sesamoid bone with two examples.
16. Name the structures passing through superior orbital fissure.
17. Mention the ligaments of temporo mandibular joint.
18. Classify neuroglial cells.
19. Name the branches of 3rd part of maxillary artery.
20. Mention the nerve supply and action of external intercostal muscle.

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10 x 1 = 10 Marks

Multiple Choice Questions

- 21 i) Which structure does not pierce the clavipectoral fascia?
A. Cephalic vein
B. Lateral pectoral nerve
C. Lateral thoracic artery
D. Thoracoacromial artery
- 21 ii) Which of the following is a derivative of notochord
A. Vertebral artery
B. Suboccipital venous plexus
C. Internal vertebral venous plexus
D. Intervertebral disc
- 21 iii) Which of the following obeys Hilton's Law
A. Radial nerve
B. ulnar nerve
C. Axillary nerve
D. Musculocutaneous nerve
- 21 iv) Aorta passes through diaphragm at the level of T12, it is accompanied by
A. Thoracic duct
B. Azygos vein
C. Hemiazygos vein
D. Both A & B
- 21 v) Sinoatrial node is situated
A. Near the opening of inferior vena cava
B. Within the interatrial septum
C. At the opening of coronary sinus
D. Near the opening of superior vena cava
- 22 i) Which of the following is an example for hyaline cartilage
A. Pinna of the ear
B. Tip of the nose
C. Eustachian tube
D. Epiglottis
- 22 ii) Which of the following is attached to styloid process
A. Stylopharyngeus
B. Salpingopharyngeus
C. Palatopharyngeus
D. Both A & B
- 22 iii) The general sensory nerve supply to the anterior 2/3rd of the tongue is by
A. Lingual nerve
B. Chorda tympani nerve
C. Glossopharyngeal nerve
D. Vagus nerve
- 22 iv) The deep facial vein drains into
A. Suboccipital venous plexus
B. Internal jugular vein
C. Pterygoid venous plexus
D. External jugular vein
- 22 v) Circle of Willis is formed by all of the following **EXCEPT**
A. Posterior cerebellar artery
B. Posterior cerebral artery
C. Anterior communicating artery
D. Posterior communicating artery