

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I (CBME) Degree Examination - 09-Aug-2024

Time: Three Hours**Max. Marks: 100****ANATOMY – PAPER - I (RS4/RS5/RS6)****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**

- Describe the Mediastinum under the following headings
 - Definition and Classification
 - Boundaries and contents of Superior mediastinum
 - Applied anatomy
- A 30 year old lady meets with an accident while riding a bike. She is brought to the hospital with injury to her forehead. On clinical examination there is ptosis of the right eye. A diagnosis of Occulomotor nerve palsy is made.
 - Mention the muscle paralysed in ptosis.
 - Describe the anatomy of Extraocular muscles under the following headings:
 - Attachments
 - Nerve supply
 - Action
 - Applied anatomy

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

- A patient with a lump in the left breast is examined for lymph node enlargement.
 - Mention the lymph nodes enlarged immediately in breast carcinomas.
 - Describe the anatomy of Axillary lymph nodes.
- Describe the course and distribution of median nerve in the hand
- Describe the anatomy of Interior of the right ventricle
- Describe the boundaries and contents of digastric triangle
- Describe the parts and functions of basal ganglia
- Describe the development of trophoblast
- Compare and contrast microscopic structure of serous and mucous salivary gland with examples
- Define and classify white matter of cerebrum with examples

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

- List the structures piercing clavipectoral fascia
- Enumerate the branches of posterior cord of brachial plexus with root value
- Mention the veins opening into the right atrium
- Enlist any six branches of external carotid artery
- Mention the boundaries and applied anatomy of Suprameatal triangle
- Enlist the midline structures of the Neck
- Draw a neat labelled diagram of section of midbrain at the level of superior colliculus
- Define Hilton's law. Mention one structure obeying it
- Mention the types of capillaries and its functions
- Define Gastrulation and Implantation

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Multiple Choice Questions

10 x 1 = 10 Marks

- 21 i) The structure closely related to the medial epicondyle is
A. Radial nerve
B. Basilic vein
C. Ulnar artery
D. Ulnar nerve
- 21 ii) The stylopharyngeus is derived from _____ pharyngeal arch
A. I
B. II
C. III
D. IV
- 21 iii) The placenta secretes
A. Aldosterone
B. Oxytocin
C. Prolactin
D. Progesterone
- 21 iv) _____ is an irregular bone
A. Parietal
B. Vertebra
C. Metatarsal
D. Phalanges
- 21 v) The esophagus is related to which chamber of the heart?
A. Left ventricle
B. Right ventricle
C. Left atrium
D. Right atrium
- 22 i) The anterior fontanelle closes by _____ months
A. 6
B. 12
C. 18
D. 24
- 22 ii) The communication of the lateral ventricle to third ventricle is via
A. Cerebral aqueduct
B. Foramen of Lushka
C. Foramen of Magendie
D. Foramen of Munro
- 22 iii) The type of neurons in the dorsal root ganglia is
A. Unipolar
B. Pseudounipolar
C. Bipolar
D. Multipolar
- 22 iv) The posterior ethmoidal air cells drain into
A. Middle meatus
B. Superior meatus
C. Inferior meatus
D. Supreme meatus
- 22 v) The conducting system of the heart is predominantly supplied by
A. Right coronary artery
B. Left coronary artery
C. Anterior interventricular artery
D. Posterior interventricular artery
