



All India Institute of Medical Sciences, Kalyani
First Professional MBBS Examination 2022 (Batch-2021)

Time: 3 Hrs.

Anatomy (Paper-II)

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION - A (50 MARKS)

Long answer question:

[2+3+3+2=10]

1. A patient who underwent a surgery on the left parotid gland presented with weakness of facial muscles on that side.
 - a. What are the relations of the affected nerve to the parotid gland?
 - b. What are the functional components of the affected nerve?
 - c. Briefly describe the relations of the parotid gland.
 - d. Add a note on Bell's palsy

Write Short notes on:

[5X5=25]

2. Development of tongue.
3. Rima glottidis: Boundaries and muscles controlling its shape. Mention its lining epithelium. (4+1)
4. Compare and contrast anterior and posterior pituitary.
5. Facial artery
6. In a tabular form, mention the movements and muscles causing movements of temporomandibular joint.

Answer in brief:

[5x3=15]

7. Based on your knowledge of anatomy, explain what precautions must be taken by the surgeon during operations of thyroid gland
8. Internal jugular vein
9. Carotid sheath
10. Tympanic membrane
11. Blood supply of nasal septum

SECTION – B (50 MARKS)

Long answer question:

[2+4+2+2=10]

1. An elderly diabetic and hypertensive patient, on irregular medication, presented to the hospital with complaints of severe chest pain, pain in the left shoulder, radiating to the left little finger and sweating. He was diagnosed to be having myocardial ischemia.
 - a. Describe the external features of heart.
 - b. What is the arterial supply of the heart?
 - c. What is the venous drainage of the heart?
 - d. Explain why there is radiating pain to the left shoulder and left upper limb.

Write Short notes on:

[5X5=25]

2. Microscopic anatomy of spinal cord.
3. With the help of simple diagrams, depict the functional areas and blood supply of the supero-lateral surface of cerebral hemisphere. What is macular sparing? (2+2+1)
4. Relations of medial surface of right lung with neat labelled diagram. (3+2)
5. Microscopic anatomy of trachea.
6. Development of inter atrial septum and congenital defects. (3+2)

Answer in brief:

[5x3=15]

7. Explain the anatomical basis of why foreign body commonly enters the right bronchus.
 8. Medial medullary syndrome-applied anatomy
 9. Azygous vein
 10. Applied anatomy bitemporal hemianopia
 11. Blood – brain barrier
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