



All India Institute of Medical Sciences, Kalyani

First Professional MBBS Examination 2021

Time: 3 Hrs.

Anatomy (Paper-II)

Marks: 100

INSTRUCTIONS:

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

SECTION - A (50 MARKS)

Long answer question:

[3+4+3=10]

1. Describe the facial nerve under following headings:
 - a. Functional components.
 - b. Course, relations and branches of its extra-cranial part.
 - c. Applied anatomy.

Write Short notes on:

[5x5=25]

2. Draw a well labelled diagram showing the microanatomy of retina.
3. Write briefly about relations of middle ear cavity.
4. 'Sometimes patients complain of loss of taste sensations, after tonsillectomy.' Explain the condition giving appropriate anatomical basis.
5. Temporo-mandibular joint formation, and the movements caused by muscles.
6. Describe in detail the blood supply of thyroid gland.

Answer in brief:

[5x3=15]

7. Enumerate the boundaries and contents of digastric triangle.
8. Write briefly about Orbicularis Oculi.
9. Which muscles are termed as 'Safety muscles of the larynx'? Explain why.
10. What is the clinical significance of Little's area?
11. 'The fovea centralis is the site of maximum acuity of vision'. Explain why.



SECTION - B (50 MARKS)

Long answer question:

[5+3+2=10]

1. Describe the blood supply of heart under following headings:
 - a. Left Coronary artery: origin, course, branches and the area of distribution.
 - b. Venous drainage of the left ventricle.
 - c. Applied anatomy of arterial supply of heart.

Write Short notes on:

[5x5=25]

2. Define the bronchopulmonary segment. The lung abscess mostly occurs in the right lower lobe, why?
3. Write briefly about typical intercostal nerve.
4. Describe briefly about azygos venous system.
5. Write briefly about neocerebellum.
6. Draw a neat labelled diagram of microanatomy of spinal cord.

Answer in brief:

[5x3=15]

7. Name the cranial nerves attached to the external surface of medulla oblongata.
8. Explain the anatomical basis of lumbar puncture.
9. Explain the anatomical basis of 'Aphasia'.
10. Draw a neat labelled diagram of the floor of fourth ventricle.
11. Write briefly about pleural recesses.