



**All India Institute of Medical Sciences, Kalyani**  
**First Professional MBBS Examination, September 2025**

**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 – B (40 MARKS)**

**Head & Neck, Face and Special senses (with related histology and embryology)**

**Long answer question:**

**[1×10=10]**

1. Write an essay on the larynx under the following heads:

**(2+2+2+2+2)**

- a. cartilages
- b. muscles
- c. nerve supply
- d. interior of Larynx
- e. applied anatomy

**Write Short notes on:**

**[3×5=15]**

2. Development of face and its applied anatomy
3. Sternocleidomastoid muscle
4. Histology of tongue

**Answer in brief:**

**[5×3=15]**

5. Explain why nose picking may lead to bleeding from nose.
6. Explain why huge goitre causes difficulty in swallowing and hoarseness of voice
7. Formation and Content of carotid sheath
8. Structures developed from second pharyngeal arch
9. Anatomical basis of features of cavernous sinus thrombosis

**SECTION – C (40 MARKS)**

**[Thorax and Neuroanatomy (with related histology and embryology)]**

**Long answer question:**

**[1×10=10]**

1. Describe the parts and relations of internal capsule of cerebrum. Mention the fibres passing through different parts and the blood supply. Mention the effect of vascular lesion of the region. (2+3+3+2)

**Write Short notes on:**

**[3×5=15]**

2. Floor of fourth ventricle
3. Development of right atrium and its applied anatomy. (3+2)
4. Describe the microanatomy of trachea.

**Answer in brief:**

**[5×3=15]**

5. Write a brief note on circle of Willis
  6. Name the openings in the diaphragm with vertebral levels.
  7. Mention the types of cells present in Respiratory epithelium.
  8. Thoracic duct: origin, termination and applied.
  9. Explain the anatomical basis of lateral medullary syndrome
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