

**ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW**  
**MBBS DEGREE EXAMINATION - 1st PROF PROFESSIONAL**  
**SUPPLEMENTARY EXAM - MARCH 2024**

**HUMAN ANATOMY - PAPER - I**

**Time: 3 Hrs**

**Max. Marks: 100 Marks (80 Theory + 20 MCQs)**

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**NOTE:**

Attempt all questions.

This question paper consists of two sections: Section A - Multiple Choice Questions and Section B - Theory Questions.

Both sections have different paper codes. Write the correct paper code on the respective sheet.

Write the correct MCQ paper set on the OMR sheet.

Answer MCQs on the provided OMR sheet and theory questions on the provided answer booklet.

**SECTION B - THEORY QUESTIONS**

**PAPER CODE: 2421230001**

**Q.1 Long Answer Question**

**(15 Marks)**

Define the boundaries and contents of the Orbit. Discuss in detail the Extraocular muscles.

**Q.2 Clinical Case Scenario based Structured Question**

**(15 Marks)**

A 30-year-old male involved in a domestic fight got a deep cut in the middle of the back of his left arm by a sharp object. There was profuse bleeding from the wound. The patient was immediately shifted to the nearest hospital. On examination, the patient had difficulty extending his elbow joint and had his wrist in a flexed position.

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- i) Which nerve and artery are injured at this site? (4 marks)
- ii) Describe the affected nerve and artery in brief. (3 marks)
- iii) Describe the motor symptoms that can develop due to injury to the affected nerve. (3 marks)
- iv) Draw the labelled diagram of the brachial plexus. (5 marks)

**Q.3 Short Note Question (Within 500 Words)****(5x6=30 Marks)**

- i) Primitive streak and congenital anomalies related to it.
- ii) Microscopic structure of Compact bone.
- iii) Internal capsule with clinical anatomy.
- iv) Anastomosis around the scapula and elbow joint.
- v) Enumerate the palmar spaces of the Hand and describe the midpalmar space in detail.

**Q.4 Short Answer Questions (Within 100 Words)****(5x4=20 Marks)**

- i) Describe the Carotid triangle.
- ii) Sensory speech area.
- iii) Histological differences between cardiac, smooth, and skeletal muscles.
- iv) Intrinsic muscles of the hand.
- v) Draw the labelled diagram of the posterior triangle of the neck showing floor and contents.

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