

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW
MBBS DEGREE EXAMINATION - 1st PROF PROFESSIONAL REGULAR
EXAM - AUGUST 2024

HUMAN ANATOMY-PAPER- I

Time: 3 Hrs

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

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: 2411230001

Q.1 Long Answer Question

15 MARKS

- a) Explain the posterior triangle of the neck under the headings of: boundaries, contents, floor, and applied anatomy. (10 marks)
- b) Describe the spinal accessory nerve in detail with relevant clinical aspects. (5 marks)

Q.2 Clinical Case Scenario based Structured Question

15 MARKS

A 35-year-old female visited a tertiary care hospital as a routine for the physician after breast cancer surgery. Her daughter informed the doctor that her mother is having many swellings on the left side of the back. On physical examination, the doctor found a prominent medial border of the left scapula, including its inferior part. On asking her to push the wall against resistance, the

swelling became more prominent. The doctor made a diagnosis of winging of the scapula.

- i) Identify the affected nerve. Write its root value, course, and relations. (3 marks)
- ii) Name the muscle supplied by the affected nerve. Name the movements produced by the affected muscle. (3 marks)
- iii) Explain the anatomical basis of the above condition. (3 marks)
- iv) Write the boundaries of the triangle of auscultation and its importance. (3 marks)
- v) Draw a labelled diagram of anastomosis around the scapula. (3 marks)

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

- i) Deep cervical fascia
- ii) Blood supply and venous drainage of the breast
- iii) Internal carotid artery: course, branches, blood supply, and applied anatomy
- iv) Drawing the midbrain at the level of the facial colliculus
- v) Results of fertilization and implantation

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

- i) Microscopic anatomy of compact bone
- ii) Derivatives of 2nd BRANCHIAL ARCH
- iii) Epiphysis: definition, types, and examples
- iv) Histology of transitional epithelium with a labelled diagram
- v) Bell's palsy
