

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW
MBBS DEGREE EXAMINATION - 1st PROF PROFESSIONAL
SUPPLEMENTARY EXAM - MARCH 2024
HUMAN ANATOMY - PAPER - II

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: 2422230001

Q.1 Long Answer Question

(15 Marks)

Describe the respiratory movements under the headings of: mechanism and muscles responsible. Also describe the broncho-pulmonary segment and applied anatomy of the lung.

Q.2 Clinical Case Scenario based Structured Question

(15 Marks)

A football player, on receiving a blow on the lateral side of the left knee, felt a sharp pain in the knee. The left knee was swollen. The drawer signs were negative. Radiological examination did not show any fracture.

- i) Which intra-articular structure/structures is/are torn in this patient? (1 mark)
- ii) Draw a labeled diagram showing bursae related to the affected joint. (3 marks)
- iii) Describe the injured meniscus in detail. (4 marks)
- iv) Write the stability factors of the affected joint. (3 marks)
- v) Write a short note on the muscle that has origin inside the capsule of the knee joint. (4 marks)

Q.3 Short Note Question (Within 500 Words) (5 x 6 = 30 Marks)

- i) Differences between direct and indirect inguinal hernias.
- ii) Popliteal fossa: Boundaries, contents in detail, and applied aspect.
- iii) Labelled diagram of the anatomy of the anal canal and its blood and nerve supply.
- iv) Describe the Vermiform appendix under the following headings: a) Location and different positions, b) Blood supply, c) Applied anatomy.
- v) Factors maintaining the arches of the foot.

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

- i) Enumerate the branches of the right and left coronary arteries.
- ii) Functions of the peritoneum.
- iii) Internal thoracic artery.
- iv) Blood supply and lymphatic drainage of the stomach.
- v) Midgut rotation with related anomalies.
