

2019 Scheme

Q.P. Code: 111001

Reg. no.:

**First Professional MBBS Degree Regular/Supplementary Examinations
November 2023
Human Anatomy - Paper I**

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers •
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Long Essays**(2x15=30)**

1. A 15-year-old boy came with Altered Gait to the OPD after intramuscular Injection in the right buttock. On examination, he was found to be having Foot drop on the right side.
 - a) Based on the above case what is the Anatomical reason for the Boy's condition
 - b) Describe the origin, insertion and Nerve supply of Gluteus maximus
 - c) What are structures under the cover of Gluteus maximus
 - d) Anatomical basis of Trendelenburg sign**(3+4+6+2)**
2. Describe the Heart under the following headings:-
 - a) External features - Surfaces, borders and grooves and sulcus with their contents
 - b) Describe the blood supply of the heart
 - c) Add a note on the coronary dominance
 - d) Applied anatomy**(6+5+2+2)**

(5x8=40)**Short essays**

3. Karyotyping
4. Formation and fate of notochord
5. Movements and the muscles involved in causing each movement at the wrist joint
6. Explain the microscopic structure of thin skin
7. What are the boundaries and Contents of Posterior Mediastinum

Short answers**(4x4=16)**

8. Structures passing beneath the extensor retinaculum of the foot
9. Microscopic structure of spleen
10. Claw hand
11. Oogenesis

Draw a neat labeled diagram**(4)**

12. Draw a neat labelled diagram of mediastinal surface of the left lung

Name the following**(10x1=10)**

13. Two contents of quadrangular space
14. Two muscles that produce plantar flexion
15. Two muscles supplied by anterior interosseous nerve
16. Types of Decidua
17. Developmental sources of interatrial septum
18. Two tributaries of Azygos vein
19. What is the root value of radial nerve
20. Two superficial branches of femoral artery in the femoral triangle
21. Name the chromosomal defect in the Down's syndrome
22. Two sites of occurrence of elastic cartilage
