

2019 Scheme

Q.P. Code: 111001

Reg. no.:

**First Professional MBBS Degree Regular/Supplementary Examinations
February 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 55-year-old female presented to general surgery outpatient department with pain in left axilla and swelling of left upper limb. On clinical examination the surgeon noted the presence of few enlarged swellings in her left axilla and a swelling in upper lateral quadrant of her left breast. With your knowledge in anatomy, answer the following questions.
 - a) Which group of axillary lymph nodes could be enlarged in this patient.
 - b) Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage.
 - c) Describe the lymphatic drainage of mammary gland
 - d) Enumerate the boundaries and contents of axilla.
2. Describe mediastinum under the following heading
 - Boundaries • Divisions • Contents • Clinical implications.

(2+3+5+5)

(2+2+7+4)

Short essays

(5x8=40)

3. Numerical aberrations of chromosomes.
4. Process of implantation and its clinical aspects.
5. Ligaments of knee joint.
6. Explain microscopic structure of compact bone.
7. Femoral triangle.

Short answers

(4x4=16)

8. Anatomical basis of foot drop.
9. Compartments deep to extensor retinaculum of hand.
10. Microscopic structure of large artery and correlate with its function.
11. Embryological basis of twinning.

Draw a neat labeled diagram

(4)

12. Structures surrounding hip joint.

Name the following

(10x1=10)

13. Contents of anatomical snuff box.
14. Two muscles having intracapsular origin
15. Vein crossing lateral to the arch of aorta.
16. Sixteen cells stage of embryo.
17. Nerve passing superficial to the flexor retinaculum of hand.
18. Superomedial boundary of popliteal fossa.
19. Structure which develops from left horn of sinus venosus.
20. Maternal and fetal contribution to development of placenta.
21. Example of atavistic epiphysis.
22. Two diseases showing autosomal dominant inheritance.
