

# 2019 Scheme

Q.P. Code: 111001

Reg. no.: .....

## First Professional MBBS Degree Supplementary (SAY) Examinations January 2024 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 20-year-old male had applied for selection into defence academy in India. His application was rejected during physical examination on the grounds of Bilateral Flat Foot.
  - a) What is the anatomical basis of flat foot.
  - b) Classify arches of foot.
  - c) What are the components and features of each type of arches of foot.
  - d) What are the factors that maintain the arches of foot(2+2+6+5)

2. Describe Typical Intercostal Space under the following headings:-
  - (a) Muscles
  - (b) Bloodvessels
  - (c) Nerve
  - (d) Applied importance(5+5+3+2)

### Short essays

(5x8=40)

3. Radial nerve- root value, course and branches in axilla, arm and cubital fossa. What is Saturday night palsy.
4. Formation, course, tributaries and termination of great saphenous vein. Give its applied importance.
5. Describe the structure of synovial joints. Classify synovial joints with examples.
6. Histology of thin skin. Write a note on appendages of skin.
7. Briefly describe bronchopulmonary segment. Name the bronchopulmonary segments in each lung. Write about their surgical importance.

### Short answers

(4x4=16)

8. Formation and fate of primitive streak.
9. Histologic difference between Cardiac and Skeletal Muscles.
10. Define Karyotype. What are the steps of Karyotyping.
11. Development of interatrial septum.

### Draw a neat labeled diagram

(4)

12. Cross section at middle of thigh.

### Name the following

(10x1=10)

13. Parts of blastocyst.
14. Layers in a medium sized artery.
15. The nerve that continues as lateral cutaneous nerve of forearm.
16. Three superficial veins of upper limb.
17. Muscles that form Tendo achilles.
18. Action of Lumbricals in the hand.
19. Two structures attached to Linea Aspera.
20. The chamber of heart that forms the apex of heart.
21. Vertebral levels of sternal angle and inferior angle of scapula.
22. Two structures piercing Clavipectoral fascia.

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