

## 2019 Scheme

Q.P. Code: 111001

Reg. no.: .....

### **First Professional MBBS Degree Supplementary (SAY) Examinations May 2022**

#### **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 45-year old male was brought to the casualty following a road traffic accident. He had pain and swelling over his right arm. On clinical examination it was found that he was unable to extend his right wrist joint and joints of his right hand and also sensory loss on dorsum of right hand. X-ray of his right arm showed fracture shaft of humerus. With your knowledge in anatomy answer the following questions.
  - Name the nerve injured in this patient.
  - Give the root value of the nerve.
  - Describe the course of the nerve.
  - Name the branches given off by the nerve specifying the sites of origin.
  - What is the reason behind the patient's inability to extend wrist joint and other joints of right hand.(1+1+5+5+3)
2. Describe the intracapsular structures of knee joint. Explain the clinical importance of any two of them. (9+6)

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

3. Right atrium.
4. Radio –ulnar joints.
5. Describe the various types and structure – function correlation of blood vessels.
6. Bronchopulmonary segments.
7. Arches of foot.

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

8. Neural crest cells.
9. Describe structure of chromosome with classification.
10. Arch of aorta.
11. Anatomical basis of dilated veins of lower limb.

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

12. Medial surface of right lung

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

13. Name two fetal membranes.
14. Cutaneous nerve supply of lateral border of forearm.
15. Structures in thorax causing normal oesophageal constrictions.
16. Developmental sources of interatrial septum.
17. Vein present on the roof of cubital fossa.
18. Nerve passing underneath the flexor retinaculum of foot.
19. Structures present in tertiary villus of placenta.
20. Structure hooking ligamentum arteriosum.
21. Name two autosomal recessive disorders.
22. Horizontal long bone.

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