2019 Scheme

Q.P. Code: 111001 **Reg. no.: .....**

First Professional MBBS Degree Regular Examinations March 2021
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. An 18-year-old boy was hit down by car while walking on the road and sustained injury to his right knee joint. He visited to orthopaedic clinic with complaints of pain, swelling and while walking his right knee is giving out (instability). On examination, soft tissue swelling and tenderness present around right knee joint. Lachman test was performed and shows abnormal forward & backward movement of right tibia. With your anatomical knowledge answer the following questions related to knee joint.
   - Describe the articular surfaces of knee joint.
   - Describe the ligaments of knee joint.
   - Name the structure(s) that maintain the anteroposterior stability of knee joint.
   - What is locking and unlocking of knee joint.
   - Nerves that supply knee joint (2+3+5+3 +2)
2. Describe the brachial plexus under following headings.
   • Formation • Relations • Branches • Applied anatomy. (3+2+5+5)

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

3. Pleura and pleural recesses.
4. Femoral canal and its applied anatomy.
5. Classify muscular tissue with suitable examples. Describe the structure of skeletal muscle.
6. Development of placenta and its associated anomalies.
7. Mendelian inheritance.

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

8. Boundaries and contents of posterior mediastinum.
9. Midpalmar space.
10. Dorsalis pedis artery.
11. Neuroglia

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

12. Sagittal section through shoulder.

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

13. Name the nerve involved in carpal tunnel syndrome.
14. Name any four branches of brachial artery.
15. Root value of sciatic nerve.
16. Structures in the floor of popliteal fossa.
17. Sources of development of arch of aorta.
18. Any four derivatives of neural crest cells.
19. Two examples of pivot joint.
20. Tributaries of coronary sinus of heart.
21. Contents of hilum of left lung.
22. Structures passing through Hilum of left lung.

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