

**First Professional MBBS Degree Supplementary Examinations  
November 2020**

**Anatomy - Paper I**

**Time: 3 Hours**

**Total Marks: 50**

- *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 Essay**

**(10)**

1. A middle aged male patient complained of low back pain radiating to leg on right side and numbness and weakness in various parts of leg and foot. The condition was diagnosed as sciatica. With your knowledge of anatomy answer the following questions
  - Describe the root value, formation and course of sciatic nerve
  - Name the functional groups of muscles innervated by this nerve and its branches at various levels.
  - Name the cutaneous branches of this nerve at various levels along its course.

**(4+4+2)**

**Short essays**

**(3x5=15)**

2. Azygos vein
3. Intra embryonic mesoderm
4. Carpometacarpal joint of thumb

**Short notes**

**(5x3=15)**

5. Microscopic structure of thymus
6. Decidua
7. Lymphatic drainage of breast
8. Sinuses of pericardium
9. Karyotyping

**Short answer**

**(3x2=6)**

10. Rotator cuff of shoulder joint
11. Epiphyseal plate
12. Branches of axillary artery

**Draw diagrams**

**(2x2=4)**

13. Transverse section through knee joint
14. Typical inter costal space

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