

First Professional MBBS Degree Examinations - August 2016**ANATOMY- PAPER I****Time: 3 Hours****Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

Long essay**(10)**

1. A 25 years old cricket player sustained injury in his left arm. On x-ray examination, a fracture of shaft of humerus was observed. Following internal reduction of fracture, he was not able to extend his left wrist. Based on your knowledge in anatomy answer the following questions.
 - Injury to which nerve in the arm can produce inability to extend the wrist and why.
 - Briefly describe the origin, course and distribution of the nerve involved.
 - Name the other nerves that are closely related to the humerus, giving its appropriate sites and effect of injury.(2+6+2=10)

Short essays**(3x5=15)**

2. Pleura- parts, innervations and applied anatomy
3. Ulnar nerve- origin, course and distribution in forearm and hand.
4. Superficial palmar arch.

Short notes**(5x3=15)**

5. Oogenesis.
6. Gluteus maximus.
7. Brachial artery.
8. Right atrium development.
9. Superior vena cava.

Short answers**(3x2=6)**

10. Median cubital vein.
11. Down syndrome.
12. Microscopic structure of thymus.

Draw diagram**(2x2=4)**

13. Transverse section through knee joint.
14. Femoral triangle.
