

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

- Answer all questions
- Draw diagrams wherever necessary

Long essay**(10)**

1. A football player dislocated his right shoulder while playing. The dislocation was reduced under general anesthesia. He was discharged from the hospital with a collar and cuff support. Subsequently, an orthopedic surgeon noticed that his right shoulder was less prominent than the left. The player was finding it difficult to abduct the arm to a horizontal level. Based on your knowledge in anatomy, answer the following questions:

- Mention the anatomical features which render the shoulder joint more prone to dislocation.
 - What is the cause of subsequent flattening of the shoulder and difficulty in abducting the arm to a horizontal level.
 - Name the muscles involved in initiating abduction and overhead abduction.
 - Briefly mention the movements occurring at the shoulder joint and the muscles producing these movements.
 - State the reason, why the head of the humerus is often displaced downwards.
- (2+1+2+4+1=10)

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

2. Median nerve – branches, distribution in forearm & hand and applied anatomy
3. Blood supply of heart
4. Femoral triangle- boundaries and contents

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

5. Somites
6. Supination and pronation of forearm
7. Connective tissue fibers
8. Development of inter ventricular septum
9. Palmer space

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

10. Enumerate the different types of epiphyses giving suitable examples
11. Turner's syndrome
12. Microscopic structure of medium sized artery

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

13. Transverse section through middle of leg
14. Typical inter costal space