

Q.P. Code: 101001

Reg. no.:

First Professional MBBS Degree Examinations, August 2014

ANATOMY- PAPER I**Time: 3 Hours****Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

Long essay**(10)**

1. While driving a car, a 30 years old man was accidentally hit against a tree. He was rushed to the hospital. His chief complaint was that, he could not stand up because of severe pain. Physical examination revealed, his lower limb was slightly flexed, adducted, medially rotated and appeared shorter than the other limb. X-rays were taken. Posterior dislocation of the right hip with fracture of the posterior margin of acetabulum was diagnosed. With your knowledge in anatomy, answer the following:

- Mention the type and articular surfaces of hip joint.
- Describe the ligaments
- Describe the blood supply of the joint giving its clinical importance
- Which nerve is prone to get injured in this case. What is its origin and root value.
- Enumerate the movements of the hip joint and the muscles producing them.

(1+3+2+2+2=10)**Short essay****(3x5=15)**

2. Deltoid muscle and its deep relations
3. Placenta – formation and anomalies
4. Oesophagus – vertebral extent, constrictions, relations in the thoracic cavity and applied anatomy

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

5. Inversion and eversion of foot
6. Microscopic structure of compact bone
7. Coronary sinus
8. Barr body
9. Extent and branches of femoral artery

Short answer:**(3x2=6)**

10. Common peroneal nerve
11. Adductor pollicis
12. Coracoid process of scapula

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

13. Femoral triangle
14. Typical inter-costal nerve
