

Q.P. Code: 101001

Reg. no.:

First Professional MBBS Degree Supplementary Examinations, February 2014

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

- Answer all questions
- Draw diagrams wherever necessary

Long essay**(10)**

1. A 30-years old man was brought to the casualty following a road traffic accident. On examination, his right lower limb was shorted, flexed and internally rotated. X-ray of his right hip showed posterior displacement of head of femur. Following surgical correction of dislocation of hip, the patient was not able to dorsiflex his right foot. Based on your knowledge in anatomy answer the following questions.

- Injury to which nerve in posterior dislocation of hip, can produce inability to dorsiflex the foot.
- Briefly describe the articular surfaces, capsule and ligaments, blood supply and nerve supply of the hip joint.
- Name the muscles acting at the hip joint and mention the appropriate movements produced by them
- Mention the anatomical features render this joint prone to dislocation.

(1 + 4 ½ + 2 ½ + 2 = 10)**Short essay****(3x5=15)**

2. Venous drainage of lower limb
3. Cervical and thoracic parts of oesophagus
4. Brachial plexus- formation, parts, branches and applied anatomy

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

5. Dizygotic twins
6. Cruciate ligaments
7. Carpal tunnel
8. Development of lungs
9. Thoracic duct

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

10. Enumerate the compound glands
11. Reciprocal translocation
12. Microscopic anatomy of spinal ganglion

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

13. Relations of heart and great vessels to the anterior wall of thorax – surface marking -
(borders, surfaces, valves of heart)
14. Anastomosis around elbow joint
