

**QP Code: 1101**

Reg. no.: .....

First Professional MBBS Degree Examination, September 2011

**ANATOMY- PAPER I**

**Time: 3 Hours**

**Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

**Long Essay**

**(10)**

1. A 12-year-old boy following an inadvertent intramuscular injection in the gluteal region developed certain neurological deficits including difficulty to dorsiflex the foot. With your knowledge of Anatomy answer the following questions:

- Mention briefly the structures under cover of gluteus maximus.
- Name the structure which is affected in this case. Give its origin, course and distribution in thigh.
- Give the cutaneous innervations of lower limb below knee.
- Name the muscles responsible for dorsiflexion and eversion of the foot. (2+4+2+2 = 10)

**Write briefly on:**

**(3x5=15)**

2. Coronary arteries
3. Rotator cuff of shoulder joint
4. Thoracic part of oesophagus

**Write notes on:**

**(5x3=15)**

5. Implantation
6. Medial collateral ligament of the knee joint
7. Connective tissue fibres
8. Lymphatic drainage of the breast
9. Posterior interosseous nerve

**Write short answers on:**

**(3x2=6)**

10. Spermiogenesis
11. Turner's syndrome
12. Microscopic structure of the hyaline cartilage

**Draw neat labeled diagrams of the following:**

**(2x2=4)**

13. Transverse section at the level of the sternal angle
14. Palmar arterial arches.

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