

Q.P. Code: 1101

Reg. no.: .....

First Professional MBBS Degree Supplementary Examinations, March 2012

## ANATOMY- PAPER I

Time: 3 Hours

Total Marks: 50

- Answer all questions
- Draw diagrams wherever necessary

## Long Essay

(10)

1. A 60 years old man while rushing to catch a train in the railway station felt severe chest pain with profuse sweating and tingling sensation along the medial aspect of his left arm. He was soon taken to the hospital where an ECG showed irregularities. His blood pressure dropped dramatically and he lapsed into deep coma and died several minutes later. Post mortem study revealed total obstruction of the left coronary artery and near complete obstruction of the right coronary artery. Based on your anatomical knowledge answer the following questions:

- Explain how a coronary artery diseases produces retrosternal chest pain, tingling sensation along the medial side of his left arm and increased sweating.
- Briefly describe the origin, course and areas of distribution of coronary arteries.
- What is meant by left artery dominance.
- Obstruction to which coronary artery is more likely to produce irregularities in hearts rhythm and why.
- Mention the sites where the branches of left and right coronary arteries anastomose; what is the functional significance of these anastomosis

(2+4½+1+1+1½=10)

(3x5=15)

## Short essay

2. External ligaments of knee joint
3. Synovial joints : classification with examples
4. Blood supply and lymphatic drainage of the breast

## Short notes

(5x3=15)

5. Yolk sac and its fate in humans
6. Azygos vein
7. Superficial palmar arch
8. Microscopic structure of lymph node
9. Femoral sheath

## Short answer

(3x2=6)

10. Turners syndrome
11. Boundaries and contents of quadrangular space of scapular region
12. Neural crest

## Draw diagrams

(2x2=4)

13. Mediastinal surface of left lung
14. Transverse section through middle of right thigh.

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