

Code: 101001

Reg. no.: .....

First Professional MBBS Degree Supplementary Examinations, February 2013

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

- Answer all questions
- Draw diagrams wherever necessary

**Long Essay****(10)**

1. A 48 year old woman came to the surgery out-patient department with complaint of a lump in her right breast. On examination, surgeon found that the lump was hard and painless and in the upper outer quadrant of right breast. Axillary lymph nodes on the right side were enlarged and right breast was not mobile. Histopathological examination revealed malignancy of right breast. With your knowledge in anatomy answer the following questions:

- What is the normal extent of breast both vertically and horizontally
- Name three muscles related to the base of the breast.
- What could be the reason for loss of mobility of breast in this condition
- Describe the lymphatic drainage of the breast
- Describe the arterial supply of the breast

 $(1+1\frac{1}{2}+1+3\frac{1}{2}+3=10)$ **Short essays****(3x5=15)**

2. Right atrium – gross anatomy and development
3. Popliteal fossa – boundaries, contents and applied anatomy
4. Ankle joint – type, bones articulating, movements occurring in that joint and muscles causing the movements

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

5. Turner's syndrome
6. Effects of fertilization
7. Name the different types of epiphysis with examples
8. Microscopic structure of white fibro cartilage
9. Define broncho-pulmonary segment and mention its clinical importance

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

10. Greater sciatic foramen
11. Transverse pericardial sinus
12. Palmar aponeurosis

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

13. Femoral triangle – boundaries and contents.
14. Horizontal section at the level of T-4 vertebra

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