



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
(A DEEMED TO BE UNIVERSITY)

**MBBS Phase I Examination – April 2023**

**Time: 150 Minutes**

**Max Marks: 80 Marks**

**Anatomy Paper I QP Code C1011**

(Your answer should be specific to the question asked  
Draw neat labeled diagrams wherever necessary)

**Long Essay**

**2 x 10 Marks**

1. A 35-year-old male patient presented to his family practitioner with a history of weight loss. He also complained of a cough with streaks of blood in sputum and left-sided chest pain. On examination the patient had a low-grade temperature and was tachypneic (breathing fast). There was reduced expansion of the left side of the chest. Auscultation revealed tubular quality breath sounds.
  - a. Mention the clinical condition and the organ involved. (2)
  - b. Illustrate the features and relations of the involved structure (6)
  - c. Mention the blood supply of the involved structure. (2)
  
2. A 40-year-old woman presented to the surgeon with the complaint of hard, painless lump in the upper lateral quadrant of the right breast. Examination revealed enlarged Axillary lymph nodes on the right side and loss of mobility of the breast on the same side. X-ray of vertebral column showed irregular shadows in the bodies of L4 and L5 vertebra
  - a) Identify the clinical condition.
  - b) Mention the posterior relations of the structure affected in the above clinical condition.
  - c) Substantiate the anatomical basis for loss of mobility of right-side mammary gland.
  - d) Describe the blood supply & lymphatic drainage of the affected structure in the given clinical condition.
  - e) Justify the X-ray findings in the above clinical condition. (1+2+1+5+1)

**Short Essay**

**12 x 5 Marks**

3. Describe the structure of synovial joint with examples and applied aspects
4. Describe the attachments and compartments of extensor retinaculum of wrist. (2+3)
5. Describe the formation, relations and termination of Superior vena cava
6. Following delivery, it was noted that there was a boggy swelling of the scalp on the right side. The swelling was diffuse and not associated with any external injury. Forceps were used while conducting delivery.
  - a) Identify the clinical condition. (1)
  - b) Substantiate the anatomical basis for the clinical features (2)
  - c) Mention the layers of the structure affected (2)
7. List intrinsic muscles of Larynx and mention their actions (3+2)
8. Describe the development of Interatrial septum
9. Discuss the gross features and lymphatic drainage of tongue with a labeled diagram
10. Describe the extent, attachments and structures piercing the clavipectoral fascia
11. Describe the mediastinal surface of Right lung with diagram.
12. Discuss the boundaries of lateral ventricle
13. Illustrate the microscopic structure of palatine tonsil.
14. Mention the folds of Duramater. Discuss the Falx cerebri in detail. (2+3)



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**Anatomy Paper II QP Code C1012**

(Your answer should be specific to the question asked)

Draw neat labeled diagrams wherever necessary)

**Long Essay**

**10 × 2 = 20 Marks**

1. Describe Inguinal canal under the following headings a) Location & Extent b) Boundaries c) Contents d) Applied aspect (2+3+3+2).
2. Classify the arches of foot. Describe the formation, factors maintaining and clinical importance of lateral longitudinal arch of foot. (3+3+3+1)

**Short Essay**

**5 × 12 = 60 Marks**

3. Describe the interior of knee joint with an illustration.
4. Describe the gross features and blood supply of liver
5. Describe the formation, course and tributaries of inferior vena cava
6. Summarize the boundaries & contents of superficial perineal pouch
7. Describe relations of right kidney with an illustration
8. Describe the interior of anal canal with its clinical significance
9. List five major differences between the male and female bony pelvis.
10. Mention the formation, attachment, action and applied anatomy of tendocalcaneus.
11. Describe the extent, course and branches of femoral artery
12. Describe the microscopic anatomy of Testis
13. Describe the development of Pancreas
14. Mention the genotype and clinical features of Down's syndrome