

## MBBS Thorax - Anatomy Chapter Wise Previous Exam Questions conducted by KUHS (Kerala University of Health Sciences)

1. Oesophagus- vertebral extent, constrictions, relations in the thoracic cavity and applied anatomy
2. Cervical and thoracic parts of oesophagus
3. Thoracic part of oesophagus
4. Broncho pulmonary segments (repeated)
5. Bronchopulmonary segments of right lung
6. Define broncho-pulmonary segment and mention its clinical importance
7. Pleura- parts, innervations and applied anatomy
8. Pleural recesses
9. Coronary sinus(repeated)
10. Pericardial sinuses
11. Transverse pericardial sinus
12. Coronary arteries (repeated)
13. Left coronary artery
14. Lymphatic drainage of the breast
15. Right atrium-gross anatomy and development
16. Arch of aorta
17. Thoracic duct
18. Tributaries of the azygous vein

### Draw and Label

1. Horizontal section at the level of T-4 vertebra (Repeated)
2. Typical inter-costal nerve
3. Relations of heart and great vessels to the anterior wall of thorax- surface marking-(borders, surfaces, valves of heart)
4. Showing visceral relations of mediastinal surface of right lung
5. Sternocostal surface of heart
6. Transverse section at the level of the sternal angle

### Cases

1. A 52 year old man presented with shortness of breath and coughing up small volumes of blood. Clinical examination revealed multiple dilated veins around the neck. A chest x-ray demonstrated a tumor mass involving the upper part of right lung and elevated right dome of diaphragm. Based on your anatomical knowledge answer the following questions

- Compression of which structure in the neck by the tumor is responsible for dilated veins around the neck
- Mention the extent and the relation in the, mediastinum
- Briefly describe the other structures related to the mediastinal surface of the right lung
- Injury to which structure is responsible for elevated diaphragm on the right side
- Briefly describe the broncho-pulmonary segments of the lung and its applied importance(1+2+3+1+3=10)

2. A 70 year old man on walking uphill feels sudden onset of severe chest pain radiating to the medial side of left arm associated with tiredness and sweating. He gives a history of similar attacks and was on treatment. With your knowledge in Anatomy answer the following questions.

- Name the organ affected

- Give a brief account of its arterial supply.
- Mention the reason for the radiation of pain.
- Name the covering of the organ and give their nerve supply. (1+4+2+3=10 marks)

3. 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 the 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+1.5+1+3.5+3=10)

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