

B.Sc. CARDIAC TECHNOLOGY

Sub. Code: 1508

SUBJECT : APPLIED ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY RELATED TO CARDIAC TECHNOLOGY

UNIT 2 - Thorax and Lungs (Thorax – Intercostal space, pleura, bony thoracic cage, ribs sternum & thoracic vertebrae Lungs – Trachae, bronchial tree and circulation.)

Sl. No.	Question	Reference	Bloom's Taxonomy
10 MARKS ; ELOBORATE ON			
1	Draw and explain about trachea bronchial tree of respiratory system. Add note on pulmonary circulation.	August 2015	Understand
2	Explain lung under the following headings: (i) External features (ii) Fissures and Lobes (iii) Blood supply and (iv) add a note on Bronchial Tree.	August 2018	Understand
3	Write in detail about Bronchopulmonary segments with a neat labeled diagram. Add a note on its applied anatomy.	February 2019	Analyze
4	Conducting air pathways with suitable diagrams.	April 2022	Apply
5	Describe the circulation of the blood through the Lungs. Name the main vessels involved.	November 2023	Understand
5 MARKS : WRITE NOTES ON			
1	Muscles of respiration.	August 2015, August 2017, August 2018, November 2023	Remember
2	Bronchial tree.	August 2016	Remember
3	Pulmonary Circulation.	February 2017, February 2019	Remember
4	Trachea.	August 2017	Remember
5	Bronchopulmonary segments.	February 2018, April 2023	Remember
6	Intercostal muscles.	February 2018, March 2021, November 2022	Remember
7	Sternum.	February 2018, April 2022	Remember
8	Pleura.	August 2019, April 2023	Remember

Sl. No.	Question	Reference	Bloom's Taxonomy
9	Tracheobronchial tree.	March 2021	Remember
10	Muscles of thorax and its functions.	November 2022	Understand
11	Neural regulation of respiration.	November 2022	Understand
12	Muscle of Respiration.	November 2023	Remember
3 MARKS : WRITE SHORT NOTES ON			
1	Give a note on cartilages.	August 2015	Understand
2	Cartilages forming the larynx.	August 2016, April 2023	Remember
3	Pleura	August 2016	Remember
4	Sternum.	February 2017, April 2022	Remember
5	Typical ribs.	August 2018	Remember
6	Typical Intercostal nerve.	February 2019	Remember
7	Hilar structures of left Lung.	February 2019	Remember
8	What is Total Lung Capacity?	August 2018	Remember
9	Bones forming the Thoracic cage.	August 2019	Remember
10	Vital capacity of Lung.	August 2019	Remember
11	Intercostal muscles.	November 2022	Remember
12	Bronchial tree.	November 2022	Remember
13	Lobes of right and left lung.	November 2023	Remember
14	Cartilages of the larynx.	April 2023	Remember
15	Thyroid cartilage.	November 2023	Remember
16	Pleural recesses.	April 2024	Remember
17	Muscles of Thorax.	April 2024	Remember