

B.Sc. CARDIAC TECHNOLOGY

Sub. Code: 1508

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

UNIT 3 - Heart (Heart – Surface and gross anatomy of heart, chambers of the heart, valves of the heart, major blood Vessels of heart, pericardium, coronary arteries, pulmonary circulation and venous system)

Sl. No.	Question	Reference	Bloom's Taxonomy
10 MARKS ; ELOBORATE ON			
1	Explain anatomy of coronary circulation with a neat diagram.	February 2017	Understand
2	Describe the heart under the following headings with suitable diagrams: a) Coverings, b) Anatomical location, c) External features, d) Surface markings of cardiac valves and auscultatory areas.	August 2017	Analyze
3	Describe the blood supply of heart in detail with its applied anatomy.	February 2018	Analyze
4	Write in detail about the Heart under following headings. a) Coverings b) External features c) Chambers of Heart d) Valves of Heart e) Surface Marking of Apex of Heart.	August 2019	Analyze
5	Describe in detail about the Chambers of the Heart. Add a note on the Coronary circulation.	March 2021	Analyze
6	Describe in detail about the external features of Heart. Add a note on its applied anatomy.	November 2022	Analyze
7	Describe in detail about the blood supply of the heart. Add a note on its applied Anatomy.	April 2023	Analyze
5 MARKS : WRITE NOTES ON			
1	Valves of the heart.	August 2015, April 2024	Remember
2	Coronary circulation with diagram.	August 2016	Understand
3	Atrioventricular node function.	February 2017	Understand
4	Sinoatrial node.	February 2018, April 2024	Remember
5	Coronary arteries.	August 2018	Remember
6	Pericardium and its sinuses.	August 2018	Remember
7	Write in detail about the Conducting system of heart.	February 2019	Analyze
8	Venous drainage of Heart.	February 2020	Remember
9	Coronary Sinus.	March 2021	Remember
10	Interior of Right atrium.	November 2022	Remember
11	Coverings of the Heart.	April 2023	Remember

Sl. No.	Question	Reference	Bloom's Taxonomy
12	Blood supply of Heart.	November 2023	Remember
13	External features of Heart.	April 2024	Remember
3 MARKS : WRITE SHORT NOTES ON			
1	Blood vessels of heart.	August 2015	Remember
2	Describe the three layers of blood vessels including their histology.	August 2017	Understand
3	Pericardium.	February 2020	Remember
4	Branches of Arch of aorta.	February 2020	Remember
5	Valves of the heart.	April 2022	Remember
6	Pericardial sinuses.	November 2022	Remember
7	Atrioventricular node.	April 2023	Remember
8	Types of Blood vessels.	November 2023	Remember
9	Functions of Veins.	November 2023	Understand