

Bsc CARDIAC TECHNOLOGY

SECOND YEAR

Sub.code: 1531

CLINICAL FEATURES AND TREATMENT RELATED TO CARDIAC TECHNOLOGY

UNIT 3 – Valvular, Congenital and Myocardial Conditions

ELOBORATE ON (10 Marks Questions)

Sl. No.	Question	Reference	Bloom's Taxonomy
1	Define Heart failure, its classification, clinical features, treatment and complications.	August 2016, February 2020, March 2021	Analyze
2	Discuss in detail about cardiac tamponade its causes, clinical features and management.	August 2016	Analyze
3	Explain on cardiac dysrhythmias and heart block?	August 2017	Understand
4	Etiology, clinical features, diagnosis and treatment of atrial fibrillation.	February 2018, February 2020	Analyze
5	Etiology, pathophysiology, diagnosis and treatment of pulmonary embolism.	February 2018, August 2019, April 2023, September 2022	Analyze
6	Etiology, clinical features, diagnosis and treatment in infective endocarditis.	August 2018	Analyze
7	Etiology, pathophysiology, diagnosis and treatment of acute rheumatic fever.	February 2019	Analyze
8	Etiology, pathophysiology, diagnosis and treatment of congestive cardiac failure.	February 2019	Analyze
9	Etiology, clinical features, diagnosis and treatment of mitral stenosis.	August 2019	Analyze
10	Etiology, clinical features and management of constrictive pericarditis.	August 2019	Analyze
11	Etiology, pathophysiology, diagnosis and treatment of cardiogenic shock.	February 2020, March 2021	Analyze
12	Etiology, clinical features, diagnosis and treatment of aortic stenosis.	March 2021	Analyze
13	Discuss the various types of Shock. Discuss the clinical features, diagnosis and treatment of cardiogenic shock.	September 2022	Analyze
14	Explain in detail about the clinical features, diagnosis and treatment of cardiac tamponade.	September 2022	Understand
15	Explain on Cardiac Dysrhythmias. Mention in detail about Heart Block.	April 2023	Understand
16	Discuss about the various types of Cardiomyopathy and its etiology, pathophysiology, clinical manifestations and treatment.	April 2023	Analyze
17	Define Shock. Discuss the following topics of Cardiogenic shock: a) Etiology b) Pathophysiology c) Treatment.	April 2024	Analyze

WRITE NOTES ON (5 Marks Questions)

Sl. No.	Question	Reference	Bloom's Taxonomy
1	Write a note on mitral stenosis.	August 2016, February	Understand

		2022	
2	Echocardiographic features of HCM.	August 2016, February 2022	Understand
3	Short note on viral myocarditis.	August 2016, November 2023	Understand
4	Describe the etiology, pathophysiology of valvular disorders of the heart?	February 2017	Understand
5	Explain detail about congenital heart disease.	February 2017	Understand
6	List out the clinical manifestation of cardiac myopathy.	August 2017	Remember
7	Causes of congenital heart disease.	August 2017	Remember
8	Describe pulmonary edema.	August 2017	Understand
9	Criteria for diagnosis of infective endocarditis.	February 2018	Apply
10	Heart block.	February 2018	Remember
11	Complications of infective endocarditis.	August 2018	Understand
12	Clinical features of acute pulmonary oedema.	August 2018, February 2022	Remember
13	Atrial septal defect.	August 2018	Remember
14	Clinical features and treatment of atrial fibrillation.	August 2018	Apply
15	Clinical features of mitral stenosis.	August 2018, February 2020	Remember
16	Investigations in Infective endocarditis.	February 2019	Apply
17	Clinical features of pericardial tamponade.	February 2019	Remember
18	Pathology of cor –pulmonale.	February 2019, November 2023	Understand
19	Clinical features of aortic regurgitation.	August 2019	Remember
20	Clinical features of cardiac tamponade.	August 2019	Remember
21	Types of ventricular septal defect.	August 2019	Remember
22	Management of complete heart block.	August 2019	Apply
23	Diagnosis of infective endocarditis.	February 2020, March 2021	Apply
24	Clinical features of constrictive pericarditis.	February 2020, March 2021	Remember
25	Clinical features of mitral regurgitation.	March 2021	Remember
26	Complete heart block.	September 2022	Remember
27	Dilated cardiomyopathy causes and clinical features.	September 2022	Remember
28	Discuss the Left to right shunts. Mention three causes.	September 2022	Analyze
29	Management of Pulmonary Edema.	April 2023	Apply
30	Cor-Pulmonale.	November 2023	Remember

WRITE SHORT NOTES ON (3 Marks Questions)

Sl. No.	Question	Reference	Bloom's Taxonomy
1	Clinical features of severe Aortic stenosis.	August 2016	Remember
2	What is pericarditis? Mention its types.	August 2016	Remember
3	Mention the types of ASD (Atrial Septal Defect).	August 2016	Remember
4	Assessment of ventricular arrhythmias.	February 2017	Apply
5	Drugs for endocarditis.	February 2017	Remember
6	Features of Rheumatic heart disease.	August 2017, February 2022	Remember

7	Etiology of Cardiogenic shock.	August 2017	Remember
8	Fallot's tetralogy.	February 2018	Remember
9	Etiological causes of infective endocarditis.	February 2018	Remember
10	Ventricular septal defect.	August 2018, April 2024	Remember
11	Clinical features of Atrial septal defect.	February 2019	Remember
12	Components of Fallot's Tetralogy.	February 2018, August 2019, March 2021	Remember
13	Illustrate types of second degree heart block.	February 2020	Understand
14	List three bradyarrhythmias and provide diagrams of the same.	February 2020, March 2021	Understand
15	Name three etiologies for mitral stenosis.	March 2021	Remember
16	Ventricular septal disease.	February 2022	Remember
17	Causes of cyanosis.	September 2022	Remember
18	Name three organisms causing infective endocarditis.	September 2022	Remember
19	Treatment of Ventricular tachycardia.	September 2022	Apply
20	Types of Atrial septal defects.	September 2022	Remember
21	Mention cardiac biomarkers and their significance.	April 2023	Remember
22	Diagnosis of CCF.	April 2023	Apply
23	Cardiac Tamponade.	April 2023	Remember
24	Causes of Aortic stenosis and various treatment modalities.	April 2023	Remember
25	Complication of Pericardial effusion.	November 2023	Understand
26	Acute Rheumatic fever - Clinical features.	November 2023	Remember
27	Cor-pulmonale.	April 2024	Remember
28	Drugs used in Congestive Cardiac failure.	April 2024	Remember
29	Examples of cyanotic heart diseases.	April 2024	Remember
30	Layers of Heart wall.	April 2024	Remember
31	Hypertrophic Cardiomyopathy.	April 2024	Remember
32	Heart valves.	April 2024	Remember

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