

**SNS COLLEGE OF ALLIED HEALTH SCIENCE, COIMBATORE -35**  
 (Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)  
**B.Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY**  
**SUBJECT: 1401 - PHYSIOLOGY**



**UNIT II – THE CARDIOVASCULAR SYSTEM – QUESTION BANK**

**REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPER**

**I. ELABORATE ON**

**10 MARKS**

S.No	Question	Reference (Month and Year)	Bloom's Taxonomy
1	Define Cardiac cycle and explain its phases.	February 2017	Understand, Analyze
2	What is cardiac cycle? Describe in detail.	August 2014	Understand, Evaluate
3	Define Cardiac Output and explain various factors controlling it. Add a note on various methods of its measurement.	August 2013	Understand, Apply
4	Define ECG. Describe the waves, segments and intervals of Normal ECG. Add a note on ECG leads?	August 2012, February 2013	Understand, Analyze
5	What is ECG? Mention the various waves in ECG and their cause. Add a note on Angina.	August 2015	Understand, Evaluate
6	Define Electrocardiogram (ECG). Name the ECG leads. Describe the waves, segments and intervals of normal Lead II ECG.	March 2021	Understand, Apply
7	Draw and Explain the Waves, Segments and Interval of Normal ECG. Add a note on its Uses.	April 2022	Apply, Evaluate
8	Define Blood pressure, Regulations of Blood pressure and add a note on Hypertension.	February 2016, August 2018	Understand, Analyze
9	Define arterial blood pressure. Describe the nervous regulation of arterial blood pressure.	August 2017	Understand, Evaluate
10	Describe the Physiology of Blood pressure. Add a note on Hypertension.	April 2023	Understand, Analyze

**II. WRITE NOTES ON**

**5 MARKS**

S.No	Question	Reference (Month and Year)	Bloom's Taxonomy
1	Types of heart sounds.	August 2012	Remember
2	Heart sounds.	February 2014, 2015, August 2015,	Understand
3	Measurement of Cardiac Output.	February 2013	Apply

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S.No	Question	Reference (Month and Year)	Bloom's Taxonomy
4	Define Hypertension and its types.	August 2012, February 2013, August 2018	Understand, Analyze
5	Explain the physiology of Heart sounds.	April 2023	Understand, Evaluate
6	Define cardiac cycle and write about the phases of cardiac cycle.	March 2021	Understand, Apply
7	Explain the physiology of Blood pressure.	April 2022	Understand, Analyze
8	Define Erythrocyte Sedimentation Rate and importance.	April 2022	Understand, Evaluate
9	Define ECG. Describe the waves, segments and intervals of Normal ECG.	February 2014, April 2022	Understand, Analyze
10	Explain the waves of a Normal ECG.	August 2017	Understand, Apply
11	How is arterial blood pressure regulated?	March 2021	Understand, Analyze
11	Define: (a) Systolic Blood Pressure (b) Diastolic Blood Pressure.	February 2017	Remember
12	Define Blood pressure and its normal range?	August 2012	Understand

**III. WRITE SHORT NOTES ON**

**3 MARKS**

S.No	Question	Reference (Month and Year)	Bloom's Taxonomy
1	Define Cardiac output.	August 2011	Remember
2	Heart sounds.	February 2013	Remember
3	What is Total Lung Capacity?	August 2012	Remember
4	Define Blood pressure and its normal range?	August 2012	Understand
5	List the points of auscultation?	August 2012	Remember
6	Define Cardiac Output.	November 2022	Remember
7	Define Cardiac output with its importance.	April 2023	Understand
8	Heart sounds.	April 2024	Remember
9	Arterial Pulse.	April 2024	Remember
10	Draw a diagram of ECG and name the waves. Mention two uses of ECG.	February 2020	Apply, Understand
11	Define: (a) Systolic Blood Pressure (b) Diastolic Blood Pressure.	February 2017	Remember
12	Define Blood pressure and its normal range?	August 2012	Understand