

SUBJECT CODE & NAME -1532 - ADVANCED ECG AND TREADMILL EXERCISE STRESS TESTING AND 24HOUR AMBULATORY ECG AND BP RECORDING
UNIT 4 – EXERCISE PHYSIOLOGY AND TREADMILL STRESS TESTING

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

S.No	Question	Reference (Exam Month & Year)	Bloom's Taxonomy
10MARKS	Elaborate On :		
1	Explain in detail the physiological changes during exercise and their effects on cardiovascular parameters.	Feb 2017, Mar 2021	Understand
2	Describe the protocols used in Exercise Tolerance Testing (Bruce, Modified Bruce, Balke, Naughton).	Feb 2018, Apr 2023	Remember/Apply
3	Discuss the indications, contraindications, and precautions of Exercise Stress Testing.	Aug 2018, Sept 2022, Apr 2024	Analyze
4	Explain the criteria for positive and negative Exercise ECG (ST segment displacement – types, measurement and interpretation).	Feb 2020, Apr 2024	Analyze
5	Enumerate cardiac arrhythmias and conduction disturbances that can occur during stress testing, and their management.	Nov 2023	Evaluate
5 MARKS	Write Notes on:		
6	Explain the physiological basis of Exercise Testing.	Feb 2017, Feb 2019	Understand
7	Write short notes on Lead systems used in Treadmill testing.	Feb 2019, Apr 2023	Remember
8	Describe patient preparation for Exercise ECG testing.	Feb 2022, Apr 2023	Apply
9	Discuss ST segment depression and elevation – types, causes, and measurement methods.	Feb 2018, Apr 2024	Analyze
10	Write short note on Non-electrocardiographic parameters observed during Exercise Testing (BP, HR, symptoms).	Feb 2017, Aug 2019	Understand

11	Explain the indications and contraindications for Exercise Stress Test.	Sept 2022	Understand
12	List conduction disturbances encountered during Stress ECG.	Feb 2020, Nov 2023	Remember
13	Describe emergency management in a Stress Testing Laboratory.	Apr 2024	Apply
3 MARKS	Write short notes on:		
14	Define Exercise Physiology.	Aug 2016	Remember
15	Name any two Exercise protocols.	Feb 2018, Feb 2019	Remember
16	Mention three contraindications for Stress Testing.	Aug 2018, Apr 2023	Remember
17	Enumerate three types of ST segment displacement.	Feb 2020, Apr 2024	Remember
18	Name three non-ECG parameters monitored during Treadmill Testing.	Feb 2019	Remember
19	Name three cardiac arrhythmias seen during Exercise Testing.	Mar 2021, Nov 2023	Remember
20	Mention any three emergencies that may occur during Stress Testing.	Feb 2022, Apr 2024	Remember