

Surat Municipal Corporation, Surat
Echocardiography & Treadmill Test (TMT) Technician
Key (Answers)

1.	<i>A. Apical 4-chamber view</i>
2.	<i>C. 50-70%</i>
3.	<i>D. Mitral valve</i>
4.	<i>B. Blood flow velocity</i>
5.	<i>C. Ischemia</i>
6.	<i>B. LV, LA, MV, AV</i>
7.	<i>C. All four chambers</i>
8.	<i>C. Beta blockers</i>
9.	<i>A. Motion tracking</i>
10.	<i>B. Blood flow direction</i>
11.	<i>D. Flow away from probe</i>
12.	<i>A. Bruce protocol</i>
13.	<i>C. Anechoic</i>
14.	<i>B. Hypertrophic cardiomyopathy</i>
15.	<i>D. ECG, heart rate, and blood pressure</i>
16.	<i>D. Reduced valve opening</i>
17.	<i>A. LV hypertrophy</i>
18.	<i>C. Subcostal</i>
19.	<i>B. Continuous Wave Doppler</i>
20.	<i>A. Diastolic function</i>
21.	<i>C. Atrial septum</i>
22.	<i>B. Ventricles</i>
23.	<i>D. Endocarditis</i>
24.	<i>B. Reduced movement</i>
25.	<i>C. Metabolic Equivalent of Task</i>
26.	<i>A. 2 to 5 MHz</i>
27.	<i>D. Mitral stenosis</i>
28.	<i>B. Pulmonary hypertension</i>
29.	<i>C. Left lateral decubitus position</i>
30.	<i>B. 6-11 mm</i>

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31.	<i>A. Volume</i>
32.	<i>B. EF</i>
33.	<i>D. RA & RV</i>
34.	<i>B. Systolic BP rises, diastolic BP stays roughly the same or decreases slightly</i>
35.	<i>C. To reduce electrical resistance (skin impedance) & prevent baseline artefacts</i>
36.	<i>C. Mitral valve area by planimetry</i>
37.	<i>B: Myocardial motion velocity.</i>
38.	<i>D. Sound waves (ultrasound)</i>
39.	<i>A. To visualize heart structure and function</i>
40.	<i>C. Increasing incline and/or speed at regular intervals</i>
41.	<i>B. Transthoracic echo (TTE)</i>
42.	<i>C. 3 minutes</i>
43.	<i>B. Blood pumped out of the ventricle</i>
44.	<i>D. All of the above</i>
45.	<i>B: Simpson's biplane method.</i>
46.	<i>C. Acute myocardial infarction within 2 days</i>
47.	<i>C. Pericardial effusion</i>
48.	<i>B. 1 mm</i>
49.	<i>C. 85% of max HR</i>
50.	<i>A. 220 - age</i>