

**Surat Municipal Corporation, Surat**  
**Electrocardiogram (E.C.G) Technician**  
**Key (Answers)**

1.	A; <0.12 sec
2.	B; Ventricular repolarization
3.	C; Irregular rhythm
4.	A; V1-V4
5.	C; I, aVL, V5-V6
6.	B. 0.12-0.20 sec
7.	C. II, III, aVF
8.	B. Wide QRS
9.	A. Hyperkalemia
10.	B. 60-100 bpm
11.	C. SA node
12.	B. Right Atrium.
13.	C. 5th intercostal space, left midclavicular line
14.	B. On the left lower abdomen/torso.
15.	A Lead I.
16.	C. Atrial depolarization
17.	B. AC interference
18.	C. 40 bpm.
19.	B. 25 mm/sec
20.	C. Call for help/activate the emergency response system.
21.	D. Right Leg (RL)
22.	C. 5th intercostal space, midaxillary line
23.	A. Ventricular Fibrillation
24.	D. Right Axis Deviation
25.	C. V7, V8, V9
26.	D. QRS complex
27.	B. SA Node → AV Node → Bundle of His → Purkinje Fibers
28.	C. 0.20 sec
29.	B. Above 100 bpm

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30.	A. Ischemia
31.	B. Right Coronary Artery
32.	C. Myocardial infarction (MI).
33.	B. 10 mm = 1 mV
34.	A. Asystole
35.	B. Allow ventricular filling before contraction
36.	C. 24 to 48 hours
37.	A. Atrial fibrillation
38.	A. Lead I
39.	C. First negative deflection before R wave
40.	B. Right atrium
41.	D. Left Ventricle
42.	C. An impulse to travel from the SA node to the ventricles
43.	A. 0.04 seconds
44.	B. Lead II
45.	C. Poor electrode contact or skin preparation
46.	D. Place all chest leads on the right side of the chest
47.	A. Ask the patient to place their hands under their buttocks
48.	B. First-degree Heart Block
49.	A. Limb leads
50.	B. Ventricular Fibrillation