

Name. _____		<b>Printed Pages:01</b>		
Student Admn. No.: _____				
<b>School of Medical and Allied health</b> <b>Backlog Examination, June 2023</b> <b>[Programme: Bachelor of Cardiovascular Technology] [Semester: 4<sup>th</sup>] [Batch: ]</b>				
Course Title: <b>BASIC ELECTRO CARDIOGRAPHY - II</b>		<b>Max Marks: 100</b>		
Course Code: <b>BCVT4002</b>		<b>Time: 3 Hrs.</b>		
<b>Instructions:</b>	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	Cos	Marks
<b>SECTION-A (15 Marks)</b>		<b>5 Marks each</b>		
<b>1.</b>	What are the normal dimensions of ECG paper in both vertical and horizontal segment?	K1	CO1	5
<b>2.</b>	List the various causes of inverted P wave.	K1	CO2	5
<b>3.</b>	What is the significance of U wave ?	K1	CO3	5
<b>SECTION-B (40 Marks)</b>		<b>10 Marks each</b>		
<b>4.</b>	Explain the features of a normal electrocardiogram.	K2	CO1	10
<b>5.</b>	Identify the causes of Left and Right axis deviation.	K3	CO2	10
<b>6.</b>	Identify the various latest and advanced devices used for the ECG Monitoring nowadays.	K3	CO3	10
<b>7.</b>	Analyze the heart rate if the numbers of small squares in an ECG is 15, provided that the rhythm being regular and normal. OR Discover the heart rate of a given patient if the number of Large squares in an ECG is 5, provided that the rhythm being regular and normal.	K4	CO2	10
<b>SECTION-C (45 Marks)</b>		<b>15 Marks each</b>		
<b>8.</b>	Simplify the causes of ST segment elevation.	K4	CO1	15
<b>9.</b>	Contrast the features of normal P waves and list the causes of Inverted, Tall and Broad P waves.	K4	CO2	15
<b>10</b>	Analyze the cause of AV Nodal delay and Classify the types of Atrio Ventricular conduction blocks. OR List the various components of the QRS complex and the causes of Narrow as well as Wide QRS complex tachycardia.	K4	CO3	15