

# School of Medical and Allied Sciences

Cardiovascular Technology

ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem II - L1UC205T / BCVT2005

Medical Electronics Biophysics and Computer Usage Relevant to Cardiac Technology

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

1. Name the 5 medical discoveries and its properties. K1 CO1 (5)
2. Relate the different uses of USG. K1 CO1 (5)
3. Explain the Parts of plethysmography. K2 CO2 (5)
4. Analyze the Ionizing radiations. K4 CO4 (10)

**OR**

- Analyze the Electromagnetic spectrum. K4 CO4 (10)
5. Select the AED. . K3 CO3 (10)
6. Select the ECG paper. K3 CO3 (10)
7. Explain the chamber plethysmography. K2 CO2 (10)
8. Analyze the Defibrillator. K4 CO4 (15)
9. Assess the Principle of radiation protection. K5 CO5 (15)

**OR**

- Assess the different radiation protection. K5 CO5 (15)
10. Assess the Pacemakers of the Heart. K5 CO5 (15)