

**School of Medical and Allied Sciences**

**B.Sc Cardiovascular Technology  
Semester End Examination - Jun 2024**

**Duration : 180 Minutes  
Max Marks : 100**

**Sem IV - L1UC403T - BCVT4003 - Advanced Electrocardiography-I***General Instructions*

*Answer to the specific question asked*

*Draw neat, labelled diagrams wherever necessary*

*Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What are the ECG changes associated with bundle branch block? K1(2)
- 2) Illustrate about P pulmonale and its causes. K2(4)
- 3) Interpret the intraventricular conduction defects (IVCDs) affect the QRS complex, and what may cause them? K2(6)
- 4) Develop the significance of left axis deviation on an electrocardiogram, including its associated conditions and diagnostic considerations. K3(9)
- 5) Develop the factors contribute to an indeterminate or "North-West" axis on an electrocardiogram, and what pathological conditions may be responsible? K3(9)
- 6) Evaluate as to why left anterior hemiblock more frequently observed compared to left posterior hemiblock? K5(10)
- 7) Simplify the clinical implications of ECG changes in myocardial infarction management and prognosis. K4(12)
- 8) Interpret the role that technology plays in the modern ECG diagnosis of cardiac abnormalities? K5(15)
- 9) Interpret the recent advances in ECG interpretation assist in identifying myocardial ischemia? K5(15)
- 10) Modify the changes occurring in the QRS axis during left posterior hemiblock? K6(18)