

**School of Medical and Allied Sciences**

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

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

**Sem V - BCVT5008 - Cardiac Emergency Care with Instrumentation**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*

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|-----|---|--------|
| 1)  | What is a cath lab ?  | K1(2)  |
| 2)  | Illustrate the use of contrast media in the cath lab.                                       | K2(4)  |
| 3)  | Interpret the mechanisms of arrhythmias.  | K2(6)  |
| 4)  | Develop the working of pulse oximeter, its applications. Write a note contrast media.       | K3(9)  |
| 5)  | Develop and write a diagnostic and therapeutic procedure which can be done in the cath lab. | K3(9)  |
| 6)  | Evaluate the clinical features of heart attack and its immediate management.                | K5(10) |
| 7)  | Simplify the trans catheter aortic valve replacement.                                       | K4(12) |
| 8)  | Interpret hypoglycaemia.  | K5(15) |
| 9)  | Interpret analgesics.   | K5(15) |
| 10) | Modify the procedure for coronary artery bypass graft.                                      | K6(18) |