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School of Medical and Allied Sciences**B.Sc Cardiovascular Technology
Mid Term Examination - May 2024****Duration : 90 Minutes****Max Marks : 50****Sem IV - L1UC401T - Perfusion Technology***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) Explain the disadvantage with the use of roller pump in relation to the flow of blood. K2 (2)
- 2) How does the PVC material differ from latex and silicon tubing? K1 (3)
- 3) Illustrate the bubble oxygenator with labels. K2 (4)
- 4) Interpret the Cardiopulmonary bypass circuit with a neat labelled diagram. K2 (6)
- 5) Organize the diagram of cut through of a membrane oxygenator used for oxygenation of blood outside the body. K3 (6)
- 6) Develop the concept of reservoir system used in cardiopulmonary bypass operation with its advantages and function. K3 (9)
- 7) Classify the major differences about the various types of cardiopulmonary bypass pumps. K4 (8)
- 8) Simplify the technique of cannulation in the procedure of CPB. K4 (12)

OR

Simplify about the tubing of Cardiopulmonary bypass. K4 (12)