

School of Medical and Allied Sciences
Cardiovascular Technology
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - BCVT4006 - Perfusion Technology
Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

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| 1. | Find the finding on rigor mortis and who did it? | K1 CO1 (5) |
| 2. | Tell about John Lewis and C. Walton Lillehei. | K1 CO2 (5) |
| 3. | Relate your idea about heart and discuss circuitry. | K2 CO3 (5) |
| 4) | Simplify that how will you save the heart during bypass operation? | K4 CO2 (10) |

OR

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| | Inspect about routes of cardioplegic delivery in cardiac operating procedure. | K4 CO2 (10) |
| 5. | Extend the concept of introducing cannulas in artery in cardiac perfusion. | K2 CO1 (10) |
| 6. | Model the heat exchanging device and describe about the same. | K3 CO3 (10) |
| 7. | .Make use of your study and draw with discussion about bubble oxygenator. | K3 CO2 (10) |
| 8. | Decide about pediatric cardiac perfusion circuit in detail. | K5 CO2 (15) |
| 9) | Interpret about coating the bypass circuit with different chemicals. | K5 CO3 (15) |

OR

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| | Determine different aspects of IABP. | K5 CO3 (15) |
| 10. | List the type of solutions used in heart protection and discuss in details about the two. | K4 CO1 (15) |