

Rajiv Gandhi University of Health Sciences
Second Year M.Sc. (Perfusion Technology) Degree Examination - SEP-2019

[Time: 3 Hours]

[Max. Marks: 100]

Clinical Applications of Perfusion Technology (RS-2)

Q.P. CODE: 9085

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**2 X 20 = 40 Marks**

1. Port access CPB, cannulation, establishment of CPB, CP arrest, root venting, termination of CPB
2. Write in detail about physiology of VV ECMO, indications, murray score, how to calculate oxygen index?

SHORT ESSAY**6 X 10 = 60 Marks**

3. How to calculate oxygenator performance? What is rated blood flow?
4. Management of Massive Air Embolism (MAE)
5. HIPEC, uses and methods
6. Techniques of left heart bypass
7. ECPR principle, cannulation and management
8. Hemolysis during CPB, causes and prevention

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