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Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Perfusion Technology Examination – OCT-2019

Time: Three Hours

Max. Marks: 100 Marks

Perfusion Technology – clinical

PAPER – I (RS)

Q.P. CODE: 2923

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

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LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Myocardial protection during cardiac surgery, comparison Delinido and St. Thomas solution.
2. Conduct and monitoring during CPB.
3. Cannulation techniques for cardiac surgery.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Roller pump.
5. Hypothermia.

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6. Membrane oxygenators.
7. Phenylephrine.
8. LSVC.
9. Axillary artery cannulation.
10. Heat exchangers.
11. Organ autoregulation's
12. Cold agglutinins.
13. Left heart bypass.
14. Zero balanced ultrafiltration.
15. PH stat and alpha stat.

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16. Deep Hypothermic circulatory arrest.
17. Haemodilution and advantages.

SHORT ANSWERS (Answer any Ten)

10 x 2 = 20 Marks

18. Normal value of ABG.
19. DHCA.
20. Temperature probes.
21. Atrial Septal Defect.
22. Tetralogy of Fallot.
23. Balloon angioplasty.

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24. Octopus.
25. Protamine.
26. Branches of coronary arteries.
27. Mechanical heart valves.
28. Metabolic acidosis.
29. Positive End Expiratory Pressure.

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