

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Anaesthesia Technology Degree Examination – OCT-2019

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Anaesthesia Technology (RS)

Q.P. CODE: 1237

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Mention the components circle system. Add a note on soda lime canister.
2. Mention all the safety features in the anaesthesia machine.
3. Define oxygen therapy. Classify the various devices used in oxygen therapy. Mention the hazards of oxygen therapy.

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Pin index safety system and DISS
5. Describe the hanger yolk assembly. Enumerate the uses of yolk block.
6. Oxygen flush
7. Flow meter assembly
8. Define breathing system and mention its components. Write a note on Adjustable Pressure Limiting valve (APL).
9. Mapleson D circuit
10. Venturi effect and its application
11. Double Lumen Tubes (DLT)
12. History of inhalational anaesthesia
13. Post operative shivering
14. Pulse oximetry
15. Describe in detail oxygen pressure failure devices or alarms in the anaesthesia machine.
16. Intraoperative monitoring
17. Oxygen concentrators

SHORT ANSWERS (Answer any Ten)

10 x 2 = 20 Marks

18. Chemical sterilization technique
19. Difference between hypoxia and hypoxemia
20. Portable suction unit
21. What is Tare weight of cylinders? Define filling density ratio.
22. Laryngoscope
23. What are the types of gas flow?
24. Venturi mask
25. Non re-breathing valves
26. Nasal prongs
27. What is anatomical and apparatus dead space?
28. WTG morton
29. Transportation of gas cylinders
