

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology Degree Examination – 06-Jun-2024

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Anaesthesia Technology (RS-3)
Q.P. CODE: 3268

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

LONG ESSAYS (Question No.2 Choice)

2 x 10 = 20 Marks

1. How do you assess a patient preoperatively and prepare the patient for surgery.
2. Discuss about medical gas pipeline system and station outlet. What is Pin index safety system?

OR

Describe various methods of sterilization.

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Master and slave mechanism.
4. What is tare weight of cylinders? How are the cylinders tested? What is filling density ration.
5. Draw the diagram of Pin index safety system and explain Label its parts. Why is Pin index system important

OR

Oral airways, types, uses, advantages and disadvantages.

6. WTG Morton and his contribution.
7. Methods of sterilize endotracheal tube.
8. What are the hazards of oxygen therapy?
9. Reservoir Bag.
10. How can you store anaesthesia equipments/drugs in OT? What are the minimum requirements?

OR

Bains circuit.

11. What are MLS tubes? Where are they used? Their advantages and disadvantages.
12. Ten golden rules of anesthesia.

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Colour coding of cylinders.
14. Low pressure system in Anaesthesia machine.
15. Causes of hypoxia during anaesthesia.

OR

Oropharyngeal airway indications and measurement.

16. Simple O2 mask.
17. Hydrogen peroxide and its uses.
18. Ambu bag
19. What is critical temperature? What is the critical temperature of nitrous and oxygen.
20. Temperature required for Pasteurization.

OR

Flow meters.

21. Mapleson's A circuit.
22. Virginia Apgar.
