

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Anaesthesia Technology Degree Examination – 30-May-2024**

**Time: Three Hours**

**Max. Marks: 100**

**ANAESTHESIA TECHNOLOGY – CLINICAL – PAPER-I (RS-3)**

**Q.P. CODE: 3271**

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. Elaborate the steps taken to check anaesthesia machine
2. Algorithm or steps for difficult intubation

**OR**

Enumerate 10 golden rules of anesthesia. List the reversal agent. Criteria required for adequate reversal

**SHORT ESSAYS (Question No.5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Premedication in pediatric patient
4. Importance of ECG in a patient posted for surgery
5. What are the monitors required during surgery for pre induction and post induction?

**OR**

Gas cylinders, colour coding and testing

6. Drugs used for bronchospasm during surgery. How to relieve intraoperative bronchospasm?
7. Enumerate causes of post operative shivering and how to manage it?
8. Write a note of intraoperative fluid management
9. Various uses of epinephrine
10. Explain intermediate system in anaesthesia machine

**OR**

What is oxygen flush? What and the pressures and flows delivered from oxygen flush?

11. Sodabcarb
12. What is hypoxia? What are the different types of hypoxia?

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. Laryngoscope
14. Causes of intraoperative Brady cardia? Treatment
15. Causes of restlessness in post op period

**OR**

Criteria for accepting the case

16. Hydrocortisone
17. Reversal from muscle relaxant
18. Importance of blood glucose, ketones bodies, electrolytes in a diabetic patient on the day of surgery?
19. Pulse oximetry
20. What is a vaporizer?

**OR**

Pin index safety system

21. Cylinder types
22. Hyperkalemia and its anaesthetic implications

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