Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Anaesthesia Technology Degree Examination – 02-Nov-2026

Time: Three Hours **Max. Marks: 100**

ANAESTHESIA TECHNOLOGY – APPLIED - PAPER-II (RS-3)

Q.P. CODE: 3272

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. Explain in detail about stages of Ether Anaesthesia
2. Elaborate history of anaesthesia

   OR

   Advanced cardiac life support and recent guidelines

SHORT ESSAYS (Question No.5 & 10 choice) **10 x 5 = 50 Marks**

3. Positioning during spine surgery and its implications
4. What is airway pressure? Causes of increased airway pressure
5. Explain thermal and electrical injuries during surgery

   OR

   What is Rapid Sequence Induction (RSI)? What drugs are used to perform RSI and explain in detail?
6. What is Hoffman's degradation?
7. Flexometallic endotracheal tubes
8. Treatment of hypotension during spinal anaesthesia
9. Management of post operative nausea and vomiting
10. Accidents during anaesthesia

    OR

    What is the toxic dose of Bupivacaine? What are its different preparations?
11. Anaphylaxis – causes, clinical features and management
12. Difficult airway management

SHORT ANSWER (Question No. 15 & 20 choice) **10 x 3 = 30 Marks**

13. Fentanyl
14. Bradycardia
15. Cisatracurium

    OR

    Total Intravenous Anaesthesia (TIVA)
16. Hypothermia treatment
17. Midazolam - dose, uses and actions
18. Complications of succinyl choline
19. Treatment of Tachycardia
20. Treatment of ventricular fibrillation

    OR

    Lidocaine - explain action, dose and uses
21. Buprenorphine - uses and dose
22. Glycopyrrolate

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