

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Operation Theatre Technology Degree Examination – 12-May-2026

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Anaesthesia & OT Technology (RS-3)

Q.P. CODE: 3407

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. What do you mean by Blood Transfusion? What are the different types of blood transfusion techniques? Write a note on blood transfusion reactions.
2. What do you understand by post-operative care? What is purpose of post anaesthesia care unit (PACU)? Mention the criteria to discharge the patient from PACU.

OR

Classify muscle relaxants. Explain in detail about the indications, mechanism of action, dose and complications of succinylcholine.

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. What are the infection control techniques implied inside OT.
4. Invasive and non-invasive blood pressure monitoring techniques.
5. How will you prepare an OT for an HIV positive case?

OR

Differences between crystalloids and colloids.

6. ETO (Ethylene Oxide) sterilization.
7. Minimum alveolar concentration.
8. Balanced anesthesia.
9. Mention the roles and responsibilities of a circulating staff during laparoscopic surgery.
10. Classify opioids. Write a note on Fentanyl.

OR

Hot air oven.

11. ETCO₂ monitoring.
12. What is Lithotomy position? What are the different types of lithotomy position? Mention the care to be considered while performing lithotomy.

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Name three muscle relaxants.
14. Draw a neat labelled diagram of Miller Laryngoscope.
15. Three uses of artery forceps.

OR

Three surgeries done under prone position.

16. Formaldehyde Vs Glutaraldehyde.
17. Five moments of Hand Washing.
18. Name three cardiovascular complications during general anaesthesia.
19. Explain the normal ECG waveform.
20. Ultrasonic cleanser.

OR

Difference between oral and nasal airways.

21. Mention the difference between disinfection and sterilization with examples.
22. Pulse oximetry.
