

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Operation Theatre Technology Degree Examination – 04-Nov-2025

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. Classify sterilization. What do you mean by thermal sterilization techniques? Explain about hot air oven with a neat diagram.
2. What are the various invasive and non-invasive monitoring used intraoperatively? Write a short note on CVP monitoring and also mention its indications, contraindications and complications.

OR

What do you mean by local anaesthesia? What are the indications, mechanism of action and complications of lignocaine. What are the different compositions lignocaine drug is available inside OT?

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Thiopentone sodium.
4. WTG Morton.
5. Nitrous Oxide.

OR

Isoflurane.

6. Succinylcholine.
7. What are the different hazards inside operating room?
8. Differences between spinal and epidural anaesthesia.
9. Pre-operative evaluations.
10. Care and handling of microsurgical instruments.

OR

Steps of endotracheal intubation. Draw a neat labelled diagram of an normal ET tube.

11. What do you mean by dissociative anaesthesia? Mention the indications, dose and complications of ketamine.
12. Medical gas cylinders.

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Atropine.
14. Horace wells.
15. Pulse oximetry.

OR

Capnography.

16. Colour codes for waste disposal inside OT with examples.
17. Name three induction agents.
18. Massive blood transfusion.
19. UV sterilization.
20. Allen's test.

OR

PPE (Personal Protective Equipment's)

21. Fresh Frozen Plasma.
22. Three examples types of laryngoscopes.
