

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology & Operation Theatre Technology
Degree Examination – 07-May-2026

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Anaesthesia & OT Technology

Q.P. CODE: 3391

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

LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. Describe in detail the safety system in anaesthesia machine and medical gas supply
2. Describe the technique of endotracheal intubation
3. Describe the general principles of sterilization. Write an elaborate notes on moist and dry heat sterilization

SHORT ESSAYS (Answer any ten)

10 x 5 = 50 Marks

4. Describe about gas plasma sterilization
5. Mention the personal protective equipment and describe the role in infection control
6. Describe systemic inflammatory response syndrome in association with surgery
7. What is meant by High Level Disinfection (HLD)? What factors determines the effectiveness and describes its methods?
8. Describe the operation theatre air-condition system. How laminar flow reduces the incidence of infections?
9. Describe the role of theatre assistant in monitoring safety of OT
10. Discuss about the Ozone gas sterilization. Mention the advantage and disadvantage of it
11. Describe the general function of operation theatre
12. How will you check the sterility of instruments?
13. Universal barrier precautions to be observed in theatres
14. Enlist the things to be kept prior to all the surgery in the operating room
15. Causes and management of difficult intubation

SHORT ANSWER (Answer any ten)

10 x 3 = 30 Marks

16. Bain's circuit
17. Premedication
18. Name three local anaesthetics and its dosages
19. Complications of general anaesthesia
20. Induction agents – IV and inhalational
21. Diathermy
22. Desflurane
23. 0.45% normal saline composition and indication
24. Soda lime canister
25. Laryngoscope
26. Pin index safety system
27. Precautions to be taken before blood transfusion
