

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Anaesthesia Technology Degree Examination – 31-Oct-2025

Time: Three Hours
100

Max. Marks:

ANAESTHESIA TECHNOLOGY - ADVANCED – PAPER – III (RS-3)
Q.P. CODE: 3273

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. Define shock. Describe management of hypovolemic shock in patient with poly-trauma
2. Anaesthesia for 60-year-old patient with type II diabetes mellitus with 20 years duration, posted for laparoscopic cholecystectomy. Explain preoperative and intraoperative anaesthetic management

OR

Enumerate the indications of one lung ventilation (OLV). Describe the Anaesthetic management of a patient posted for pneumonectomy

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Describe cardioversion and defibrillation
4. Describe epidural space and describe three methods to identify the epidural space
5. Describe the ECG findings and management of perioperative myocardial ischemia / infarction

OR

Management of COPD

6. Positive End Expiratory Pressure (PEEP)
7. Aorto-caval compression in a pregnant patient and its effect. Add a note on how to prevent it during spinal anaesthesia
8. Monitored Anaesthesia Care (MAC)
9. Tourniquet application during general anaesthesia, describe its effects, advantages and disadvantages and complications
10. Labor analgesia

OR

Failed intubation drill in pregnant patient during general anaesthesia administration

11. Double Lumen Tube (DLT)
12. Explain suitable anaesthesia technique for Trans Urethral Resection of Prostate (TURP). Add a note on complications and management of TURP

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Capnography
14. Massive blood transfusion protocol
15. Oxytocin side effects

OR

Paracetamol poisoning

16. Describe the methods used to maintain normothermia during general anaesthesia
17. Heat Moisture Exchanger (HME)
18. Cormack and Lehane grading
19. Diabetic ketoacidosis
20. Premedication in children

OR

O₂ toxicity

21. APGAR score
22. Laryngeal mask airway
