

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Anaesthesia Technology & Operation Theatre Technology Degree**  
**Examination – 08-May-2026**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Anaesthesia & OT Technology – Applied -PAPER-II**  
**Q.P. CODE: 3394**

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. List all the postoperative pain management techniques. Explain in detail about opioids used in analgesia.
2. Classify IV fluids. Briefly describe the intraoperative fluid management.
3. Explain the clinical features and management of following conditions: a) Laryngospasm  
b) Anaphylaxis c) Total spinal anaesthesia

**SHORT ESSAYS (Answer any ten)**

**10 x 5 = 50 Marks**

4. DIC
5. Local Anaesthetic Systemic Toxicity (LAST).
6. Pulmonary artery pressure monitoring.
7. Labour analgesia.
8. Diagnosis and management of intraoperative cardiac arrest.
9. Diagnosis and management of postoperative pulmonary edema.
10. List different blood grouping systems. Describe briefly about cross matching.
11. Malignant hyperthermia.
12. Safety considerations for anaesthesia in MRI units.
13. Describe briefly a) Transesophageal Echocardiography b) Capnography
14. Describe invasive blood pressure monitoring.
15. Retrograde tracheal intubation.

**SHORT ANSWER (Answer any ten)**

**10 x 3 = 30 Marks**

16. Mismatched blood transfusion – three clinical features.
17. Pulse oximetry.
18. List three complications of PCDT.
19. Electrocardiography.
20. TENS.
21. Drain care in postoperative period.
22. Ringer lactate.
23. Busca mask.
24. AMBU bag.
25. Hypercarbia in intraoperative period.
26. Tight bag.
27. Three clinical features of TURP syndrome.

\*\*\*\*\*