

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(DA 0524)

MAY 2024

Sub. Code: 4003

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

**PAPER III – ANAESTHESIA IN RELATION
TO SUBSPECIALTIES / SUPERSPECIALTIES**

Q.P .Code: 344003

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the causes of adult respiratory distress syndrome? Discuss the ventilatory strategies in the management of ARDS.
2. Discuss the causes and management of delayed recovery from Anaesthesia.

II. Write notes on:

(10 x 7 = 70)

1. Obstructive sleep apnea.
2. Total spinal.
3. Humidification.
4. Hypoxic Pulmonary Vasoconstriction.
5. Triage.
6. CPAP.
7. Cardioversion.
8. Coeliac Plexus block.
9. Problems of obesity.
10. Pulmonary oedema.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(DA 1224)

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4003

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

**PAPER III – ANAESTHESIA IN RELATION
TO SUBSPECIALTIES / SUPERSPECIALTIES**

Q. P. Code: 344003

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Pathophysiology of tetralogy of Fallot and Discuss about Anaesthetic management of 10-year-old male child with H/O cyanotic spell posted for emergency laparotomy.
2. Define obesity. Write in detail on anaesthetic consideration for morbidly obese patient undergoing bariatric surgery.

II. Write notes on:

(10 x 7 = 70)

1. Assessment of pain in ICU.
2. Cardiac tamponade.
3. Pre operative preparation of patient with Thyrotoxicosis for elective surgery.
4. Synchronised intermittent mandatory ventilation (SIMV).
5. Supra ventricular tachycardia.
6. Metabolic acidosis.
7. Write in detail about the signs and symptoms and management of OPC poisoning.
8. Levosimendan.
9. Measures to prevent hypothermia during neonatal surgery.
10. Basic Life Support (BLS).

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

(DA 1025]

OCTOBER 2025

Sub. Code: 4003

DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION

**PAPER III – ANAESTHESIA IN RELATION
TO SUBSPECIALITIES / SUPERSPECIALITIES**

Q. P. Code: 344003

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathophysiology, diagnosis and maintenance of Brain-dead patient for organ retrieval.
2. 24-years full Primi gravida admitted with bleeding PV and planned for emergency LSCS and on the way to operation theatre, she got cardiac arrest. What are the possible causes of cardiac arrest in this case scenario and discuss detail about the management.

II. Write notes on:

(10 x 7 = 70)

1. Causes and management of Hyperkalemia.
2. Massive blood transfusion.
3. Anaesthesia consent.
4. Xenon.
5. Metabolic alkalosis.
6. Perioperative hypoxaemia.
7. Percutaneous tracheostomy.
8. Management of septic shock.
9. DIC.
10. High frequency ventilation.
