

Oct-2025

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MD ANAESTHESIOLOGY – PAPER - I

QP CODE: 5053

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. How does a normal adult human being maintain body temperature? Enumerate the physiological and metabolic changes that occurs during moderate hypothermia ?
2. Describe the physiology of haemostasis. How do you evaluate haemorrhagic diathesis?

What precaution will you take before surgery?

Short Essay

(6x10=60 Marks)

3. Drug metabolism in Liver disease
4. Oxygen dissociation curve
5. Static Electricity
6. Laminar Flow and its application in Anaesthesia.
7. WTG Morton
8. Closing capacity of lungs.

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**MD ANAESTHESIOLOGY – PAPER - II
QP CODE:5054**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Mention various types of Anaesthetic techniques for Bronchoscopy. Describe the technique of General Anaesthesia for Bronchoscopy for a patient with suspected Bronchogenic Carcinoma.
2. What are the Anaesthetic problems in a patient with Ankylosing spondylitis scheduled for Total Hip Arthroplasty. Discuss how you would manage "Bone cement implantation syndrome" in this case.

Short Essay

(6x10=60 Marks)

3. Transoesophageal Echocardiography.
4. Autoregulation of Cerebral Blood Flow.
5. Factors affecting Uteroplacental circulation.
6. Discuss the factors influencing the normal Cardiac output.
7. Anaesthesia for Squint Surgery.
8. Anaesthetic management of Posterior Cranial Fossa Surgery.

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**MD ANAESTHESIOLOGY – PAPER - III
QP CODE: 5055**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Describe perioperative anaesthesia management and postoperative complications in a patient with large thyroid gland posted for total thyroidectomy.
2. Describe the pathophysiology of myasthenia gravis. Discuss the anaesthesia challenges in management of sternotomy and excision of thymoma.

Short Essay

(6x10=60 Marks)

3. Autologous blood transfusion.
4. Anaphylactic shock.
5. Discuss anaesthesia in geriatric patients.
6. Liver cirrhosis –preoperative assessment and preparation.
7. Anaesthesia for Whipples surgery.
8. Anaesthesia for Cleft lip plastic surgery in 3 months child.

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MD ANAESTHESIOLOGY – PAPER - IV

QP CODE: 5056

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Discuss the clinical features and management of a patient of organophosphorus compound poisoning in the intensive care unit
2. Discuss the role of anaesthesiologist in the initial stabilization of a patient with traumatic brain injury .what are the consideration in the ICU management of patients with traumatic brain injury

Short Essay

(6x10=60 Marks)

3. Nutrition in the critically ill
4. Management of hyponatremia
5. Airway pressure release ventilation
6. Aerosol therapy in the ICU
7. Intrathecal opioids
8. Stellate ganglion block