

*June-2020*

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

[Time : 3 Hours]

[Max.Marks : 100]

**MD ANAESTHESIA – 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. Discuss the circulation of cerebrospinal fluid. What are the measures to decrease intracranial pressure intraoperatively? Add a note on the effects of anaesthetic agents on cerebral physiology.
2. Describe the Anatomy and distribution of cardiac conduction system with a note on electrophysiological changes. Discuss the Antiarrhythmic drugs.

**Short Essay**

**(6x10=60 Marks)**

3. Boyle's law and its application in anaesthesia.
4. Sir Ralf Water.
5. Minimal alveolar concentration.
6. Entonox.
7. Pulmonary Wedge Pressure.
8. Laryngeal mask airway.

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**POST GRADUATE DEGREE EXAMINATION**

[Time : 3 Hours]

[Max.Marks : 100]

**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. Define brain death. Discuss the associated medico legal aspects.
2. What are the anesthetic challenges of scoliosis surgery? Discuss in detail perioperative anesthetic management for corrective surgery of a case of scoliosis.

**Short essay**

**(6x10=60 marks)**

3. Supine hypotension syndrome
4. Causes of anemia in renal failure.
5. Malignant hyperthermia
6. Anesthesia challenges in hypothyroidism
7. Temperature regulation in pediatric patients
8. Diffusion Hypoxia

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**MD ANAESTHESIA – 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. Discuss types of hypertension. Discuss perioperative management of a case of Pheochromocytoma.
2. Discuss the functions of liver. Describe perioperative management of a patient with obstructive jaundice posted for Laparoscopic Cholecystectomy.

**Short Essay**

**(6x10=60 Marks)**

3. Diagnosis and management of hyperglycemic emergencies.
4. Perioperative anaesthesia management of post tonsillectomy bleeding.
5. Complication of Tracheostomy.
6. Anesthesia challenges in hypothyroidism.
7. Hepatorenal shutdown.
8. Liver cirrhosis and anesthesia.

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**MD ANAESTHESIA – 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. Briefly outline the guidelines for management of the airway in a patient who has sustained a road traffic accident and has suspected trauma to the cervical spine.
2. Compare and contrast the differences in basic life support interventions (recent guidelines) between an adult and an infant. Describe the algorithm for pulse less electrical activity in an adult.

**Short Essay**

**(6x10=60 Marks)**

3. Non-invasive ventilation.
4. Anesthesia for videoassisted thoracoscopy.
5. Differentiate between phantom pain and stump pain. Describe the options available for management of phantom limb pain.
6. Postoperative hypotension , differential diagnosis and management.
7. Outline the criteria for establishing diagnosis of brain stem death.
8. Discuss WHO ladder for providing pain relief for chronic cancer pain.