

MD[Anaesthesiology]

BF/2009/05

Basic Sciences as applied to Anaesthesiology [Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe CSF circulation. Discuss its significance in anaesthesia. [25]

 2. **Write briefly on:** [30]
 - a. Closed circuit anaesthesia.
 - b. Newer muscle relaxants.

 3. **Write short notes on:** [45]
 - a. Informed consent
 - b. Hypoxic guard.
 - c. ASA classification and its significance.
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Clinical Sciences as applied to Anaesthesiology [Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss preoperative preparation and anaesthetic management of a patient undergoing surgery for the removal of Pheochromocytoma. [20]
2. Describe the anaesthetic management of a patient with the history of having Myocardial infarction 6 months back, scheduled to undergo Laparoscopic Cholecystectomy. [20]
3. **Discuss in brief:** [30]
 - a. Difficult airway algorithm.
 - b. Discharge criteria in day care surgery.
 - c. Limitation of Pulse Oximetry in clinical practice.
4. **Write short notes on:** [30]
 - a. Pulmonary artery occlusion pressure.
 - b. Management of Myaesthetic crisis.
 - c. Management of Snake bite.

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Principles and Practice of Anaesthesiology [Paper-III]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions. All questions carry equal marks.

1. Discuss anaesthesia crisis and resource management.
2. Discuss problems of anaesthesia in high altitude area.
3. Discuss post anaesthesia visual loss.
4. Describe myocardial protection during bypass surgery.
5. Describe latest AHA guidelines for ACLS.
6. Discuss monitored anaesthesia care.
7. Discuss management of Hyperkalemia.
8. Discuss perioperative management of Pheochromocytoma.
9. Describe various methods of CVP insertion.
10. Discuss essential monitoring of patient in O.T.

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Recent advances in Anaesthesiology including principles of resuscitation and Intensive care therapy [Paper-IV]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe difficult weaning from artificial ventilation. Discuss the various modes used for a patient who is difficult to wean. [20]
2. Role of anaesthesiologist in acute trauma. [20]
3. **Write short notes on:**
 - a. Modern trends in obstetric analgesia. [10]
 - b. Venturi principle and its application in anesthesia. [10]
 - c. Jehovahs witness. [10]
4. **Write short notes on:**
 - a. Spinal anaesthesia in infants and neonate. [10]
 - b. Postoperative complications after Thyroidectomy. [10]
 - c. Gabapentin. [10]
