

D.A.
[Diploma in Anaesthesia]

BF/2009/05

Basic Sciences as related to Anesthesia
[Paper -I]

M.M. : 100

Time : 3 Hours

Note : Attempt all questions.

1. Describe preparation of trolley for tracheal intubation. Discuss various methods for confirmation of correct tracheal intubation. [30]

 2.
 - a. Discuss features, physical principles and various applications of Cardiac defibrillators. Also describe the care of defibrillators. [15]

 - b. Describe anatomy and technique of Ankle block. Discuss its indications and contraindications. [15]

 3.
 - a. Draw a neat and labeled diagram of manual resuscitator along with reservoir bag. Describe its disinfection, checking and working. [10]

 - b. Discuss the role of PFT in pre operative patient preparation. [10]

 - c. Enumerate various types of LMA's. Describe its complications. [10]

 - d. Describe physiology of neuromuscular junction. [10]
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**Anesthesia and Analgesia history, theory and
practice of anaesthesia**
[Paper -II]

M.M. : 100

Time : 3 Hours

Note : Attempt all questions.

1. Describe salient features of Neuromuscular transmission. [10]
 2. Write in brief pathophysiology of PIH and its anaesthetic implications. [10]
 3. Write briefly Liver function tests. [10]
 4. Describe safety features in anaesthesia machine. [10]
 5. Write in brief W.H.O. model of cancer pain management. [10]
 6. Write short notes on Opioid receptors. [10]
 7. Hyponatraemia. [10]
 8. **Write short notes on:**
When was Ether introduced in clinical practice and what are advantages & disadvantages of Ether anaesthesia. [10]
 9. Write short notes on Halothane Hepatitis. [10]
 10. Describe briefly anaesthesia for modified Electroconvulsive therapy. [10]
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**Preoperative care and postoperative complications,
the clinical sciences in relation to anaesthesia etc.**
[Paper -III]

M.M. : 100

Time : 3 Hours

Note : Attempt all questions.

1. Discuss the anaesthetic problems, assessment and management in a patient with Left Sided Bronchopleural Fistula scheduled for Pneumonectomy. [25]

2. **Write briefly on:**
 - a. Renal failure in a patient of obstructive jaundice undergoing anaesthesia. [15]
 - b. Management of acute onset of Atrial fibrillation. [15]
 - c. Preoperative evaluation of a patient with DES[Drug Eluting Stent] for last 1 year placed for Laparoscopic Cholecystectomy. [15]

3. **Write short notes on:**
 - a. Prone ventilation. [10]
 - b. Recent changes in Cardiopulmonary resuscitation. [10]
 - c. Supraglottic airway devices. [10]
