

**THE LECTURES: -**

There will be 15 lectures, of 1 hour each encompassing following topics:-

<b>Sr. No.</b>	<b>Topics for theory</b>
1	Introduction, Orientation, Scope and modalities of Anaesthesia ,Balanced General Anaesthesia
2	Pre-operative assessment, preparation of patient and pre-anesthetic medications
3	Overview of intravenous and inhalational anaesthetic agents.
4	Airway and respiratory system 1. Anatomy and various methods of airway management and oxygen therapy
5	Neuro - muscular Junction and neuro - muscular blocking drugs
6	Pain and its management - (I) : Anatomy, Physiology, Pharmacology
7	Pain and its management - (II) : Modalities and clinical aspects of pain management and concept of pain clinics
8	Local analgesia and drugs Peripheral nerve blocks and various field blocks
9	Neuraxial techniques : - Extra-dural and subarachnoid blocks, various field blocks, their complications and management. Anatomy, technique.
10	Parenteral infusions, blood and its products, plasma volume expanders, IV fluids.
11	2 hours will be devoted to the actual execution of the (CPCR) algorithms of conducting Cardio-pulmonary cerebral Resuscitation.- related drugs and equipment.
12	Introduction to principles of Critical Care and ICU
13	Resuscitation on a mannequin (Dummy) including introducing all the drugs and equipment involved in the conduct
14	Mechanical ventilation - basic principles and modes of ventilation
15	Trauma – pre hospital management and transportation of trauma patients to hospital and Disaster management.

**TOPICS FOR PRACTICAL TRAINING DURING  
ANAESTHESIA TERM IN OPERATION THEATRE**

**DURATION 15 DAYS**

1. Venipuncture.
2. Lumbar puncture.
3. Airway management – use of manual techniques, oropharyngeal / nasopharyngeal airways, supraglottic airway devices – laryngeal mask airway, I- gel.

AMBU resuscitator.

4. Tracheal Intubation technique.
5. Introduction to Boyle's anaesthesia machine.
6. Introduction to use of intra operative monitors.
7. Cardiopulmonary Resuscitation.

**5. INTERNAL ASSESSMENT: -**

The internal assessment examination will be conducted at the completion of the clinical posting (VIIIth Semester) and the format is as follows:- Total Marks 20:- 4 Short Notes of 5 marks each

**6. ANESTHESIOLOGY IN THE FINAL MBBS EXAMINATION:-**

As is the norm, Surgery, paper-II, section - C contains one short note of Anesthesiology.

**7. LIST OF RECOMMENDED BOOKS:-**

1. Textbook of Anaesthesia by Aitkenhead – 6<sup>th</sup> Edition
2. A Practice of Anaesthesia by Wylie and Churchill Davidson 7<sup>th</sup> Edition
3. Lee's Synopsis of Anaesthesia – 13<sup>th</sup> Edition