

## Anesthesiology

### **POST GRADUATE DEGREE STANDARD**

#### UNIT I

A Basic Sciences in relation to anaesthesia (Anatomy, Physiology, Biochemistry, Pharmacology)

#### UNIT II

- A Preanaesthetic care and preparation, post operative care.
- B The Pharmacology of drugs used for preoperative and postoperative medication.
- C Apparatus and methods used in conduct of Anaesthesia
- D General Anaesthesia - Principles of conduct.
- E The anaesthetic gases.
- F Volatile anaesthetic agents
- G Gases used in association with anaesthesia

#### UNIT III

- A Intravenous anaesthesia
- B Neuropolept analgesia and out patient anaesthesia, cost effectiveness in practice.
- C The use of muscle relaxants in anaesthesia

#### UNIT IV

Regional analgesia.

#### UNIT V

Airway-management of airway artificial ventilation of the lungs.

#### UNIT VI

Production of ischemia during operations

#### UNIT VII

Anaesthesia for Neurosurgery

#### UNIT VIII

Anaesthesia in thoracic surgery including open heart procedures.

#### UNIT IX

Paediatric anaesthesia

#### UNIT X

Anaesthesia and analgesia in obstetrics

### PAPER - II

#### UNIT I

Accidents, Complication and sequelae of anaesthesia (Anatomy, Physiology, Pharmacology, Biochemistry)

#### UNIT II

- A. Oxygen therapy
- B. Post operative observation rooms-postoperative care

UNIT III

Explosion risks in anaesthesia-pollution hazards-electrical safety in OT/anaesthesia

UNIT IV

Care and Sterilization of equipment

UNIT V

Critical care management

UNIT VI

A. Cardiopulmonary Resuscitation-emergency medical services  
B. Medical care-disaster medical

UNIT VII

Acute and chronic pain-Palliative care

UNIT VIII

Geriatric anaesthesia-anaesthesia research-morbidity mortality

UNIT IX

Artificial Ventilation including ventilators

UNIT X

Recent advances in anaesthesia.