Principle of Anesthesia BVOCOT-304

UNIT-1

Medical gas supply: Compressed gas cylinders, Colour coding, Cylinder valves; pin index. gas piping system, recommendations for piping system, alarms & safety devices, anaesthesia machin, hanger and yoke system, cylinder pressure gauge, Pressure regulator, flow meter assembly, vapourizers - types, hazards, maintenance, filling and draining, etc.

UNIT-2

Breathing system: general considerations: humidity & heat, common components - connectors, adaptors, reservoir bags, capnography, Pulse oximetry, methods of humidification, classification of breathing system, mapleson system - a b c d e f, , jackson rees system, bain circuit, non rebreathing valves - ambu valves, the circle system, components, Soda lime, indicators, face mask and airway laryngoscopes- types, sizes, endotracheal tubes - types, sizes, cuff system, fixing, removing and inflating cuff, checking tube position complications.

UNIT-3

Anesthesia, ventilator and working principles: monitoring, ECG , Sp02, temperature, IBP, CVP, PA Pressure, LA Pressure.