

UNIT - 1 Applied Anatomy and Physiology

- acid base status, definitions, acidosis types, Alkalosis types, buffers in the body.
- IV fluids- composition and administration, IV cannulation, blood transfusion- blood grouping, storage, administration.

UNIT - 2 Principles of Anaesthesia

- Medical gas supply
- use of ambu valves
- cuff system, fixing, removing and inflating cuff, checking tube position complications.
- ventilator and working principles
- monitoring, ECG, SpO₂, temperature, IBP, CVP, PA Pressure, LA Pressure.

UNIT - 3 Basics of OT Equipment and OT Tray Set Up

DEMONSTRATION OF:

- Equipment preparation for anesthesia

UNIT - 4 Pharmacology Related to OT

- management of drug reaction

UNIT - 5 Advance Computing Skills

- Word Processing
- Mail merge techniques
- Using Charts, shapes and pictures in word.
- Basics of Spreadsheet
- document saving and printing the worksheet
- formulas, Functions and charts
- Advance Spreadsheet Tools
- worksheet.
- Presentation Software
- Using PowerPoint working with color lines
- styles and movie and sound, presentations.