

[LP 145]

OCTOBER 2019

Sub. Code: 2040

**M.D. DEGREE EXAMINATION
BRANCH X – ANAESTHESIOLOGY**

**PAPER I – APPLIED BASIC SCIENCES RELATED TO ANAESTHESIA
INCLUDING PHYSICS IN ANAESTHESIA, HISTORY
OF ANAESTHESIA**

Q.P. Code: 202040

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is Central Venous Pressure? Describe the different approaches of CVP Cannulation, Indications and contraindications.
2. Physiology of Neuro Muscular Junction and discuss the various Neuromuscular Blocking Agents.

II. Write notes on:

(10 x 7 = 70)

1. Ralf waters.
2. Denitrogenation.
3. Ropivacaine.
4. ACE Inhibitors.
5. Describe the factors that determine cardiac output.
6. Pulse Oximeter.
7. Assessment of Difficult Airway.
8. Boyle's law and its application in Anesthesia.
9. Complications of Blood Transfusion.
10. Peripheral Nerve Stimulator.
