

[LI 145]

APRIL 2016

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. Describe coronary circulation and write notes on cardiac output monitoring?
2. What is central venous pressure, what are the different approaches of CVP cannulation, describe merits and demerits of each approach?

II. Write notes on:

(10 x 7 = 70)

1. Heat moisture exchanger.
2. Boyles law and its application in anaesthesia.
3. Colloids.
4. Ralf Waters.
5. Soda lime.
6. Venturi principle.
7. Denitrogenation.
8. Propofol.
9. Oxygen cascade.
10. PEEP.
