

[LQ 145]

AUGUST 2020
(MAY 2020 SESSION)

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 the anatomy and physiology of coronary circulation. Mention the factors affecting myocardial oxygen supply demand balance.
2. Describe in details the various intravenous induction agents used in anaesthesia practice.

II. Write notes on:

(10 x 7 = 70)

1. Pin Index system.
2. Pre oxygenation.
3. TEC 6 vaporizer.
4. Oxygen toxicity.
5. Static electricity.
6. Inhaled anaesthetics-uptake and distribution.
7. Levosimendan.
8. Sri Robert Macintosh.
9. Airway resistance.
10. Jackson Rees circuit.
