

**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. How do you classify adrenergic receptors?
Discuss in detail pharmacology of beta blockers.
2. Discuss the circulation of cerebro spinal fluid.
What are the measures to decrease intracranial pressure intraoperatively?
Add a note on the effects of anaesthetic agents on cerebral physiology.

II. Write notes on:

(10 x 7 = 70)

1. Lees cardiac risk index.
2. Thromboelastography.
3. Coanda effect.
4. Flumazenil.
5. Virginia apgar.
6. Bronchial tone.
7. Wave form in a normal capnographic tracing.
8. Autonomic hyperreflexia.
9. Oxy haemoglobin dissociation curve.
10. Holter monitor.
