

M.D. DEGREE EXAMINATION

BRANCH X –ANAESTHESIOLOGY

MEDICINE APPLIED TO ANAESTHESIOLOGY

Q.P.Code: 202039

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss in details the etiology, pathophysiology diagnosis and treatment of fat embolism.
2. Discuss the regulation of body temperature. What are the perioperative concerns of hypothermia?

II. Write notes on:

(10X7=70)

1. Describe the anatomy of foetal circulation and changes at birth.
2. Liver enzyme induction and implication for anaesthesia.
3. Clinical uses of alpha 2 agonists in anaesthesia.
4. What are the factors affecting placental drug transfer?
5. Write the guidelines for infective endocarditis prophylaxis.
6. Types of capnography and basic physiology of a capnogram.
7. Therapeutic uses of magnesium in anaesthesia intensive care and emergency medicine.
8. Third space loss and its anaesthetic implications.
9. Assessment of severity of mitral stenosis – Clinical and echo cardiography.
10. What is cardioversion? Discuss the indications, electrical energy requirement and anaesthesia for cardioversion.
