

QP Code: 101101

Reg. No.:.....

PG Degree Examinations in Anaesthesiology (MD) - May 2017

Paper I – History, Basic Sciences & Equipments

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essays:

(20)

1. Define stroke volume, cardiac output and cardiac index. How cardiac output is measured. Discuss the factors that affect cardiac output. (6+6+8)

Short essays:

(8x10=80)

2. What are the components of flow meter assembly. Explain the physical principles of function of flow meters.
3. Liquid oxygen
4. Flumazenil
5. Oxygen dissociation curve
6. James young Simpson
7. Hypothermia
8. Functional analysis of Mapleson D circuit.
9. Bedside pulmonary function tests.
