

112-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2013

ANAESTHESIOLOGY

Paper-I : Basic Sciences in relation to Anaesthesiology

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Describe various factors effecting uptake distribution of inhalational anaesthetic agents.
2. Describe the absorption, mechanism of action of local anaesthetic agents injected in to the epidural space.
3. Write a note on Horace Wells
4. Describe a method of central venous pressure cannulation, its uses complications and limitations.
5. Discuss the principles of pulse oxymetry, its clinical uses and reliability.
6. Describe Bain circuit, discuss about its advantages and disadvantages.
7. Write about the methods of monitoring the neuro-muscular blockage during surgery.
8. Write a note on physiological changes during hypothermia.
9. Describe the pharmacology and clinical utilization of heparine.
10. Write about oxygen cascade, oxygen transport and oxygen dissociation curve.

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