

M.D. DEGREE EXAMINATION – APRIL, 2015

ANAESTHESIOLOGY

Paper-I : Basic Sciences in relation to Anaesthesiology

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Describe the portal circulation. Mention the liver function tests and its implication to anaesthesia.
2. Draw the oxygen dissociation curve. Discuss the implications in anaesthesia.
3. Write a note on body temperature regulation.
4. Describe factors affecting spread of Local Anaesthetics and the causes of failed regional block.
5. What are the factors affecting the uptake of anaesthetic gases?
6. Describe Neuromuscular transmission and factors modifying neuromuscular blocking action of muscle relaxation.
7. Write a note on John Snow.
8. Write a note on Supraglottic airway devices.
9. Describe the types of needle used for central neuraxial blockade.
10. What are the electrical hazards and their precautions in the OT?

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