

**Q.P.CODE:112-NR**

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA  
M.D. DEGREE EXAMINATION – MAY, 2017

**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. Classify local Anaesthetics. Describe the adverse effects of local Anaesthetics.
2. Indications and contraindications for succinylcholine use in anesthesia.
3. Pathophysiology of cardiac and hematologic dysfunction in liver cirrhosis
4. Describe the mechanism of normal thermoregulation
5. Enumerate the factors affecting the uptake and distribution of volatile anesthetic agent
6. Describe anatomy of Cerebral Circulation
7. Describe the physiology of neuromuscular junction and what is the mechanism of action of non-depolarizing muscle relaxants
8. Describe the anatomy of tracheobronchial tree. Discuss positions for postural drainage and their significance in pre and postoperative care.
9. First public demonstration of the anesthesia
10. Pathophysiology of negative pressure pulmonary edema

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