

112-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA  
M.D. DEGREE EXAMINATION – NOVEMBER, 2016

**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. Coronary circulation and the factors which affects the coronary circulation
2. Oxygen dissociation curve and factors which affects ODC.
3. Write briefly about sevoflurane pharmacodynamics. Mention the complications of sevoflurane.
4. Closing capacity
5. Hypoxic pulmonary vasoconstriction
6. Enumerate gas laws, discuss their applications in anaesthesia
7. Somatosensory evoked potential
8. Discuss the safety devices in Anaesthesia machine
9. Alpha-2 agonists in anaesthesia
10. Train of four stimulation

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