

Q.P.CODE:112-NR*Dr. NTR University of Health Sciences::Vijayawada-520 008***M.D. DEGREE EXAMINATION – APRIL, 2018****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

WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Describe neuromuscular monitoring and its clinical uses in the assessment of recovery from neuromuscular block
2. Describe venturi effect and its application in clinical practice.
3. Describe functional residual capacity (F.R.C). Explain the importance of F.R.C in normal respiratory function.
4. Describe in detail the vocal cord palsies following thyroid surgery
5. Describe Cardiovascular and respiratory effects of halothane and isoflurane.
6. Describe the postdural puncture headache and its prevention during spinal anesthesia
7. Describe the anatomy of coronary circulation and the factors controlling coronary circulation
8. What is the clinical application of oxygen dissociation curve (ODC)?
9. Describe the opioid receptors
10. Describe anatomy of celiac plexus. Indications for its block and complications
