

128-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008

M.D. DEGREE EXAMINATION – NOVEMBER, 2016

PULMONARY MEDICINE

Paper-I – Basic Sciences

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 the control of ventilation and pathophysiology of respiratory failure
- 2) Ultrastructure of pulmonary interstitium
- 3) Non respiratory functions of lung
- 4) Draw a diagram and describe the anatomy of the anterior mediastinum. How will you investigate an anterior mediastinal mass?
- 5) Broncho provocation and bronchial reversibility testing: methodology and applications
- 6) Diffusion studies (DLCO)
- 7) Aerosols and their significance in health and disease
- 8) Therapeutic applications of bronchoscopy
- 9) Closing volume
- 10) Alveolar gas equation
