

(LC 1540)

APRIL 2013

Sub. Code: 3052

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (DTCD)
EXAMINATION**

BASIC SCIENCES AS APPLIED TO PULMONARY MEDICINE

Q.P. Code: 343052

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe in detail about the development of lung and add a note on lung sequestration.
2. Describe in detail about the control of breathing and add a note on Pneumotaxic center.

II. Write notes on:

(10X7=70)

1. Root of lung
2. Forced expiratory volume in one second (FEV1)
3. Role of influenza vaccine
4. Nocardia infection of lung.
5. Oxygen dissociation curve
6. α 1 antitrypsins
7. Airway remodeling
8. Thoracic duct
9. D-Dimer
10. Oncogenes
