

QP Code:101515

Reg. No.:.....

D.M. (Pulmonary Medicine) Degree Examinations July 2018

**Paper I – Applied Basic Science in Relation to General Medicine & Pulmonary
Medicine**

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Describe the physiology of exercise. Add a note on exercise testing.

Short essays:

(8x10=80)

2. 'Respiratory mechanics'.
3. Physiological changes during diving. Enumerate the complications of diving and its prevention
4. 'Association studies'. Add a note on the genetics of asthma.
5. Define 'residual lung volume', its measurement and its relevance in lung disease.
6. 'Tests of significance'.
7. 'Early diagnosis of lung cancer' by bronchoscopy.
8. Describe the principles of PET. Add a note on the role of PET in lung disease
9. Anion gap
