

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 2203

(OCTOBER 2020 EXAM SESSION)

M.Sc. RESPIRATORY THERAPY

FIRST YEAR (From 2019-2020 onwards)

**PAPER III – APPLIED ASPECTS OF PHARMACOLOGY, MICROBIOLOGY
AND PATHOLOGY**

Q.P. Code : 282203

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. a) Define Pneumonia. Classify different types of pneumonia and pathogenic organisms causing pneumonia. Write the clinical features investigation and management of pneumonia. (2+6+6)
- b) Write notes on obstructive lung disease (6)
2. Elaborate the anomalies of lung and diaphragm. Classify benign and malignant lung lesions. Write notes on ventilators and ECMO.

II. Write Short Notes on:

(10x6 = 60)

1. Bronchodilators.
2. Emphysema.
3. Pleural effusion.
4. Bioterrorism.
5. Spirometry.
6. Role of corticosteroids in respiratory therapy.
7. Zeilneelson technique.
8. Cardiactamponade.
9. Importance of specimen collection technique of collection from ET tube, FOB, Thoroscope.
10. Antiviral drugs.
