

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1722

**M.Sc. CRITICAL CARE TECHNOLOGY
THIRD YEAR (From 2020-2021 onwards)
PAPER II – ADVANCED CRITICAL CARE PART II
BRANCH I – GENERAL CRITICAL CARE AND RESPIRATORY**

Q.P. Code: 281722

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions

I. Elaborate on:

(2 x 20 = 40)

1. Define oxygen dissociation curve. What are the ways to deliver oxygen to tissue? Explain on low flow oxygen delivery devices.
2. Define acute exacerbation of COPD. Write on its ventilatory and medical management.

II. Write notes on:

(10 x 6 = 60)

1. Hazards of aerosol therapy.
2. Mallam Patti classification.
3. Explain about CPAP – Draw the volume / time scalar of CPAP with PS mode.
4. Prone Ventilation.
5. Define capnography and its significance.
6. Ventilatory strategy in COVID positive respiratory failure.
7. Postural Drainage and Chest physiotherapy in Atelectasis.
8. Briefly explain on Shunt and dead space.
9. Ventilator Associated Pneumonia (VAP) bundle.
10. Can't intubate, can't ventilate what will you do?
