

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

[AHS 0122]

JANUARY 2022

Sub. Code: 1213

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

DIPLOMA IN CRITICAL CARE TECHNOLOGY

SECOND YEAR – (Regulation from 2010 -2011)

**PAPER III – CRITICAL CARE TECHNOLOGY, AIRWAYS O₂ THERAPY,
CARE OF PATIENT ON VENTILATOR EQUIPMENT MAINTENANCE AND
TROUBLESHOOTING**

Q.P. Code: 841213

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe about Airway Clearing techniques.
2. Write in detail about Initial Ventilator settings. Add a note on Ventilator modes.
3. Describe in detail about Assessment of Trauma in Emergency.

II. Write notes on:

(10 x 5 = 50)

1. Pulse Oximeter.
2. Indication and Contraindication of Non Invasive Ventilation.
3. Disadvantages of High Oxygen administration.
4. Weaning Checklist.
5. Pericardiocentesis.
6. Management of Bedsores.
7. Signs & Symptoms of COVID-19.
8. Pneumothorax.
9. What is Arterial Blood gas? Mention its uses.
10. PEEP.

III. Short answers on:

(10 x 2 = 20)

1. Draw and label Laryngoscope.
2. Three steps in Defibrillation.
3. What is chest tube placement?
4. Closed suctioning techniques.
5. Contents of Intubation Tray.
6. Normal values for PaO₂, PaCO₂.
7. Complications of Endotracheal Suctioning.
8. Tidal Volume.
9. Peak & Plateau pressures on Ventilator and its significance.
10. Fumigation.
