

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

[AHS 0423]

APRIL 2023

Sub. Code: 2614

B.Sc. RESPIRATORY THERAPY
SECOND YEAR (Regulations 2014-2015 & 2018-2019 onwards)
PAPER IV – EQUIPMENTS IN RESPIRATORY CARE
Q.P. Code: 802614

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Various Oxygen Delivery Devices and their Indications and Contraindications.
2. Types of Artificial Airways – Uses, Care and Contraindications.
3. Define DLCO and write in detail about DLCO.

II. Write notes on:

(8 x 5 = 40)

1. Aerosol Therapy.
2. Principles of Humidifier Function.
3. What is HFNO? Write the Indications and Complications.
4. 6 Minutes Walk Test and its Clinical Significance.
5. Normal Arterial Wave form in Pulse Oximeter.
6. Incentive Spirometer Mechanism and its Clinical Use.
7. Steps in Endotracheal Suctioning.
8. What is NIV? Types and its Indications and Contraindications.

III. Short answers on:

(10 x 3 = 30)

1. Non-Rebreathing Mask.
2. Nebulizer.
3. Capnography.
4. Peak Flow Meter.
5. Ambu Bag.
6. Diaphragmatic Breathing Exercise.
7. Sterilization of Bronchoscope.
8. Venturi Principle.
9. Dry Powder Inhaler.
10. Care of Intercostal Chest Drainage (ICD).
