

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1213

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

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:

(3x10 = 30)

1. What is the Initial assessment of Trauma in Emergency? How would you monitor a patient with severe head injury in ICU?
2. What are the airway clearing techniques? Steps to maintain adequate airway in an intubated patient.
3. A patient with urinary tract infection developed sepsis and multiorgan failure is on ventilator.
 - a. What are the daily parameters to be monitored?
 - b. What is the prophylaxis for deep vein thrombosis?
 - c. What are the techniques used in suctioning tracheal secretion?

II. Write notes on:

(10 x 5 =50)

1. Bronchoscopy.
2. Multiparamonitor.
3. Basic life support.
4. Indication for intra-arterial line.
5. Precaution in managing a patient with swine flu.
6. Types of positive pressure ventilation.
7. Describe cardiac tamponade and management.
8. Barotrauma.
9. Draw endotracheal tube and label its parts.
10. What is noninvasive ventilation?

III. Short answers on:

(10 x2 =20)

1. Draw and label a laryngoscope.
2. Alpha Bed.
3. Adrenaline.
4. Cardiac output measurement.
5. Vasopressin.
6. Five point auscultation after intubation.
7. What are oral airways and sizes?
8. Sizes of venflon.
9. Fumigation.
10. Causes of upper gastrointestinal bleeding.
