

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1211

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**DIPLOMA IN CRITICAL CARE TECHNOLOGY
SECOND YEAR – (Regulation from 2010 -2011)
PAPER I – APPLIED ANATOMY, PHYSIOLOGY
Q.P. Code: 841211**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (3 x 10 = 30)

1. Describe the external features of the Lungs. Explain the Mechanism of Respiration.
2. Define Blood Pressure. Describe about the maintenance of normal BP and the factors affecting it.
3. Describe the parts of Central Nervous System. Add a note on cerebral blood flow.

II. Write notes on: (10 x 5 = 50)

1. Pericardium.
2. Pleura.
3. Pain Pathway.
4. Angina pectoris.
5. Pulmonary Function Test.
6. Arterial Blood Gas.
7. Factors that affect Central Venous Pressure monitoring.
8. Valves of the Heart.
9. Blood supply of the Heart.
10. Types of Respiratory failure.

III. Short answers on: (10 x 2 = 20)

1. Nerve supply of the Tongue.
2. Major Openings of Diaphragm.
3. Blood Supply of Lungs.
4. Floating Ribs.
5. Abnormalities of oxygen transport.
6. Cardiac Output.
7. Sites of arterial cannulation.
8. Normal Electrocardiogram.
9. Normal Anatomical Position.
10. Difference between an Artery and Vein.
