

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1701

**M.Sc. CRITICAL CARE TECHNOLOGY
FIRST YEAR**

(Candidates admitted from 2017-2018 onwards - Paper I)

(Candidates admitted from 2020-2021 onwards - Paper II)

**PAPER I & II – APPLIED ANATOMY AND PHYSIOLOGY RELATED TO
CRITICAL CARE
Q.P. Code : 281701**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on: (2 x 20 = 40)

1. Describe in details about the blood supply of Heart and add note its applied aspects.
2. Describe in details about the physiology of respiration and regulation of respiration.

II. Write Short Notes on: (10x6 = 60)

1. Surgical anatomy of trachea
2. Ventilation-Perfusion imbalance
3. Nasal septum
4. Cardiac cycle
5. Hepato-biliary system
6. Lung volumes
7. Intercostal muscles
8. Light reflex
9. Parts & relations of Tongue
10. Intracranial pressure

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[AHS 1022]

OCTOBER 2022

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Q.P. Code : 281701

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe in detail about the tracings of pleural reflections and add note on anatomical basis of pleural effusion.
2. Compare the pulmonary and systemic circulations, listing the main differences between them.

II. Write Short Notes on:

(10x6 = 60)

1. Thyroid gland.
2. Laryngopharynx.
3. Brain death.
4. Muscles of tongue.
5. Cardiac arrhythmias.
6. Typical ribs.
7. Hypoxia.
8. Pericardium.
9. Gag reflex.
10. Adrenal gland.
