

**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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