

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1401

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

FIRST YEAR (Regulations 2010-2011 & 2014-2015)

PAPER I – ANATOMY & PHYSIOLOGY

Q. P. Code: 801401

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

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

1. Explain Blood under the following headings:
A) Composition B) Functions C) Blood Groups.
2. Define Cell. Draw the structure and label it. Write a note on Functions of various Cell organelles.
3. Explain the External features of Heart. Add a note on its applied anatomy.

II. Write notes on: (8 x 5 = 40)

1. Clotting factors.
2. Auscultatory Areas.
3. ECG Leads.
4. Cerebrospinal fluid.
5. Pericardium.
6. Myocardial infarction.
7. Broncho-Pulmonary segment.
8. Conducting System of Heart.

III. Short answers on: (10 x 3 = 30)

1. Draw and Label a Neuron.
2. Secretions of Pancreas.
3. Subdivisions of Mediastinum.
4. Define Cardiac Output.
5. Functions of Hemoglobin.
6. Parts of Nephron.
7. Lobes of the Liver.
8. Erythrocyte Sedimentation Rate.
9. Name any three Clotting Factors.
10. Blood supply of the Kidney.
