

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

FIRST YEAR

PAPER I – ANATOMY AND PHYSIOLOGY

Q.P. Code: 801401

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the Surfaces, borders, Lobes, Fissures and blood supply of Right Lung with a neat diagram.
2. Define Cardiac cycle and explain its phases.
3. Write in detail the mechanism of clotting of blood.

II. Write notes on:

(8 x 5 = 40)

1. Body of the Sternum.
2. Valves of Heart.
3. Functions of Parathormone.
4. Factors affecting Glomerular filtration rate.
5. Heart Sounds.
6. Primary Hypertension.
7. Intercostal Muscles.
8. Anatomy of Trachea.

III. Short answers on:

(10 x 3 = 30)

1. List the Hormones secreted by Anterior pituitary and Thyroid gland.
2. Sinuses of Pericardium.
3. Arch of the Aorta.
4. Define: (a) Systolic Blood Pressure (b) Diastolic Blood Pressure.
5. Extra cellular fluid.
6. Glasgow Coma Scale.
7. Functions of Hemoglobin.
8. Anatomical planes.
9. Blood supply to liver.
10. Functions of endoplasmic reticulum.
