

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. Define Cardiac cycle and explain its phases in detail.
2. Write in detail about the Anatomy of Kidney. Discuss about the Blood flow. Add an account on its applied anatomy.
3. Mention the composition and functions of blood. Write in detail about functions of WBC.

II. Write notes on:

(8 x 5 = 40)

1. Superior Mediastinum.
2. Define ECG. Describe the waves, segments and intervals of Normal ECG.
3. Name the hormones secreted by the Thyroid gland. Discuss in detail about Thyroid Function test.
4. What is synapse and mention its functions?
5. Anatomy of Portal Circulation.
6. Nerve supply of Urinary bladder.
7. Name and discuss about the Hormones of the anterior pituitary.
8. Functions of Plasma Proteins.

III. Short answers on:

(10 x 3 = 30)

1. Functions of platelets.
2. Landsteiner's law.
3. Draw and label the parts of Nephron.
4. Define Haemostasis.
5. Heart sounds.
6. Chambers of the Heart. Mention about the interior of the Right atrium.
7. Anatomy of artery.
8. Intercostal nerve.
9. Draw and Label various organelles of a cell.
10. Mention the difference between Right Lung and Left Lung.