

**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. What is ECG? Mention the various waves in ECG and their cause. Add a note on Angina.
2. Mention the composition and functions of blood. Write in detail about functions of WBC.
3. Write in detail about the Anatomy of Kidney. Blood flow and applied anatomy.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. What is synapse and mention its functions?
2. Anatomy of Pulmonary Circulation.
3. Coverings of Brain.
4. Anatomy of Portal Circulation.
5. Functions of Platelets.
6. Functions of hemoglobin.
7. Test for Renal Function.
8. Hormones of Anterior Pituitary.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. What is Tidal Volume?
2. Mention the normal Pleural pressures.
3. What is CSF?
4. Functions of Calcitonin.
5. What is exocytosis?
6. Mention three cranial nerves.
7. Anatomy of Tricuspid valve.
8. Parts of typical neuron.
9. Layers of Urinary Bladder.
10. Draw and Label coronary circulation.

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