

**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 mechanism of urine formation.
2. Describe about the anatomical location and coverings of the heart and label its chambers. Mention about the valves of the Heart.
3. Write about respiratory movements. Describe the lung volumes and capacities.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Functions of Haemoglobin.
2. Write in detail about the coronary circulation and its Clinical importance.
3. Describe in detail about the pathway of clotting mechanism.
4. Renal function test.
5. Detail about Broncho pulmonary segments?
6. Anterior Relations of the Right Kidney.
7. Difference between smooth muscle and skeletal muscle.
8. Name the different planes and axis of human body.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Hypoxia.
2. Blood grouping and Rh typing.
3. Draw a diagram of ECG and name the waves. Mention two uses of ECG.
4. Mechanism of Breathing.
5. Erythrocyte sedimentation rate.
6. Branches of subclavian artery.
7. Joints of sternum.
8. Mention about three cranial nerves.
9. What is tetany? Discuss about the features of it.
10. Anatomy of bone.

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