

[LB 0212]

AUGUST 2012

Sub. Code: 1401

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

FIRST YEAR

PAPER – I ANATOMY AND PHYSIOLOGY

Q.P. Code : 801401

Time: Three hours

Maximum: 100 marks

(180 Mins) Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks

(Max.)(Max.)(Max.)

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|--|---|----|----|
| 1. Define ECG. describe the waves, segments and intervals of Normal ECG. Add a note on ECG leads? | 7 | 20 | 10 |
| 2. Write the types of heart sounds? How will you measure the heart sounds? Add a note on clinical physiology? | 7 | 20 | 10 |
| 3. Describe the anatomical location and coverings of the heart and label its chambers and associated large vessels in diagram? | 7 | 20 | 10 |

II. Write Notes on:

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|--|---|----|---|
| 1. Types of Heart sounds. | 4 | 10 | 5 |
| 2. Difference between right lung and left lung? | 4 | 10 | 5 |
| 3. Mention the Valves of heart. | 4 | 10 | 5 |
| 4. Bronchial Tree. | 4 | 10 | 5 |
| 5. Urinary Bladder – Position, External features, relations and applied anatomy. | 4 | 10 | 5 |
| 6. Define hemostasis and add a note on clotting mechanism. | 4 | 10 | 5 |
| 7. Mechanism of Breathing. | 4 | 10 | 5 |
| 8. Define Hypertension and its types. | 4 | 10 | 5 |

III. Short Answers on:

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| 1. Name the granulocytes and state their percentage in whole blood? | 2 | 4 | 3 |
| 2. Blood typing. | 2 | 4 | 3 |
| 3. Draw a diagram on mean electrical axis from electrocardiogram? | 2 | 4 | 3 |
| 4. What is Total Lung Capacity? | 2 | 4 | 3 |
| 5. Define Micturition. | 2 | 4 | 3 |
| 6. Name the different electrocardiographic leads? | 2 | 4 | 3 |
| 7. Glasgow coma scale. | 2 | 4 | 3 |
| 8. Name the Posterior pituitary hormones and its functions. | 2 | 4 | 3 |
| 9. Define Blood pressure and its normal range? | 2 | 4 | 3 |
| 10. List the points of auscultation? | 2 | 4 | 3 |
