

[LG 0215]

FEBRUARY 2015

Sub. Code: 1001

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY  
FIRST YEAR  
PAPER I - ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY**

*Q.P. Code : 801001*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Cardiac cycle. Write in detail about the events taking place during Cardiac cycle. Add a note on Electrocardiogram.
2. Write in detail about the situation, shape, size and structure of Kidney.
3. What are fat soluble Vitamins. Write in detail about the source, daily allowance, functions and deficiency manifestations of vitamin A.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Endocytosis and Exocytosis.
2. Draw and label the parts of GIT.
3. Functions of Hemoglobin.
4. Thoracic cage.
5. Classify Glands.
6. Valves of Heart.
7. Enzyme Inhibition.
8. Balanced diet.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define blood pressure.
2. Draw and label the parts of Neuron.
3. Define micturition.
4. What are the hormones secreted from Anterior pituitary.
5. Name the lobes of brain.
6. Biceps Brachii.
7. Bones forming Lower limb.
8. Hyperlipidemia.
9. Write any two functions of sodium
10. Gluconeogenesis.

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