

[LD 0212]

AUGUST 2013

Sub.Code :1301

**B.SC. DIALYSIS TECHNOLOGY**

**FIRST YEAR**

**PAPER I – ANATOMY, PHYSIOLOGY, BIOCHEMISTRY,**

**PATHOLOGY-I**

**Q.P. Code: 801301**

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I Elaborate on:**

**(3x10 =30)**

1. Write the dietary sources, daily requirement, functions and deficiency features of vitamin C.
2. Explain the cardiac cycle in detail with suitable diagram.
3. Mention the parts of excretory system and explain the anatomy of kidney.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Enzyme inhibition
2. Surface anatomy of heart
3. Functions of hemoglobin
4. List the steps involved in erythropoiesis
5. Pleura
6. Mutations
7. Functions of lipoproteins
8. Types and mechanism of cell injury

**III. Write short answers on:**

**(10 x 3 = 30)**

1. Mention the hormones of adrenal medulla
2. Name the valves of heart
3. Mention the muscles of arm
4. Write the three most common bacterial infections
5. Respiratory movements
6. Amphipathic lipids
7. Role of bile in digestion
8. Name three hormones regulating calcium levels
9. Define pH, molarity, molality
10. Draw the structure of DNA

\*\*\*