

[LJ 0816]

AUGUST 2016

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:**

**(3 x 10 =30)**

1. Describe the process and different stages of urine formation and explain the role of glomeruli of nephron in the formation of urine.
2. Define proteins. How do you classify proteins? Explain in detail about each of them.
3. Define inflammation. What are the types of inflammation? Explain in detail about the events and outcome of acute inflammation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Decompression sickness.
2. Muscles of thorax and their functions.
3. Composition of blood and explain the functions of blood.
4. Give a detailed note on WBCs.
5. Artificial respiration.
6. Water soluble vitamins.
7. Renal function tests.
8. Explain in detail about the structure, function and metabolism of Haemoglobin.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Hip joint.
2. Cardiac murmurs.
3. Endocytosis.
4. Electrocardiogram.
5. Functions of Cerebrospinal fluid.
6. Structure of DNA.
7. Types of necrosis
8. Normal Karyotype.
9. Protein Energy Malnutrition.
10. Packed Cell Volume.

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