

[LG 0215]

FEBRUARY 2015

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. Write in detail about the different stages of erythropoiesis. Add a note on anaemia.
2. Write about the structure of nephron.
3. Write about the classification of carbohydrates with suitable examples.

II. Write notes on:

(8 x 5 = 40)

1. Movements of joints.
2. Erythrocyte Sedimentation Rate (ESR).
3. Acquired Immunity.
4. Spermatogenesis.
5. Features of Transitional epithelium.
6. Carbon dioxide (CO₂) transport in blood.
7. Differences between male and female pelvis.
8. Balanced diet.

III. Short answers on:

(10 x 3 = 30)

1. Write about the structure and functions of semilunar valves.
2. What is Basal Metabolic Rate (BMR)?
3. What are the hormones secreted by adrenal cortex? Mention their functions.
4. What is a Buffer? Give two examples.
5. What is mutation? Give one example.
6. What are the types of muscles? Write two features of any one type of muscle.
7. Write about the functions of platelets.
8. List the differences between marasmus and kwashiorkor.
9. Write about the Recommended Dietary Allowance (RDA) and natural sources of water soluble vitamins.
10. What is micturition reflex?
