

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 801306

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe kidneys under following headings: Location and Size, Borders and surfaces, Coverings, Relations of Right kidney and its coronal section. Add a note on Applied aspect.
2. Explain Hypothalamo Pituitary Gonadal axis in female. Add a note on ovulation.
3. Write in detail about complete oxidation of glucose in detail.

II. Write notes on:

(8 x 5 = 40)

1. ADH – add a note on diabetes insipidus.
2. Balanced diet.
3. Pectoralis major.
4. Cutaneous innervation of palm.
5. Haemostasis explain in brief.
6. Constrictions of ureter.
7. Coronary artery - special features and applied aspects.
8. Renal handling of sodium.

III. Short answers on:

(10 x 3 = 30)

1. Heart sounds explain.
2. Define pH, molarity and molality.
3. Name the lipoproteins.
4. Sesamoid bone.
5. Name the factors affecting enzyme activity.
6. Liver function test.
7. Myasthenia gravis.
8. Draw the picture of a typical nephron and mention parts.
9. Plasma pheresis.
10. Name the appendages of skin.