

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 endocrine regulation of blood glucose level add a note on diabetes mellitus.
2. Brachial plexus- formation, parts, branches and add a note on carpal tunnel syndrome.
3. Discuss about structural organisation of proteins and classify them based on their function.

II. Write notes on:

(8 x 5 = 40)

1. Mechanism of secretion of HCl in stomach.
2. Explain GFR – factors influencing them. Give normal value.
3. Dietary fibres.
4. Inborn errors in metabolism.
5. Exocrine action of Pancrease.
6. Trigone of the bladder.
7. Deltoid - origin, insertion, nerve supply, action with diagram.
8. Essential fatty acids.

III. Short answers on:

(10 x 3 = 30)

1. Hamburger's phenomenon.
2. Hypothermia.
3. Dyspnoea.
4. Functions of plasma proteins.
5. Erb's palsy.
6. Superior vena cava – tributaries.
7. Papillary muscle.
8. Refractory period.
9. Albuminuria.
10. Phospholipids.