

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. Explain O₂ transport in blood. Add note on ODC curve and Bohr effect.
2. Draw typical vertebrae and explain it in relation with spinal cord. Add a note on dermatome.
3. Write the pathway and calculate energetics for β oxidation.

II. Write notes on:

(8 x 5 = 40)

1. Explain the mechanism of renin - angiotensin aldosterone system.
2. Rotator cuff of shoulder joint.
3. Draw innervation of urinary bladder and Describe mechanism of micturition. Add a note on cystometrogram.
4. Deglutition reflex.
5. Costo diaphragmatic recess.
6. Nutritional disorders.
7. Maple syrup urine disease.
8. Cubital fossa- boundaries and content.

III. Short answers on:

(10 x 3 = 30)

1. Name the factors responsible to maintain blood in fluid state.
2. Crista terminalis.
3. Peptic ulcer.
4. Muscles of respiration.
5. Cell injury – pathogenesis.
6. Attachment to corocoid process of scapula.
7. Glycosuria.
8. Benedict's test.
9. Heat coagulation test.
10. Cyanosis.
