

B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR
PAPER II – PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 802502

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw the cross section of spinal cord showing the ascending and descending tracts. Explain in detail about the touch pathway.
2. Define Action potential? Write in brief about the ionic basis of action potential? Add a note on Saltatory conduction?
3. Define and classify Anaemia? Write in brief about megaloblastic anaemia and iron deficiency anemia?

II. Write Notes on:

(8 x 5 = 40)

1. Erlanger's Classification of Nerve fibers.
2. Cardiac cycle.
3. Fibrinolysis.
4. Digestion and Absorption of Fats.
5. Hyperthyroidism.
6. Artificial respiration.
7. Explain the functions and deficiency manifestation of Vitamin A.
8. Classify Enzymes. Mention one example for each.

III. Short Answers on:

(10 x 3 = 30)

1. Bicarbonate buffers.
2. Heart sounds.
3. Surfactant.
4. Mismatched blood transfusion reactions.
5. Organ of Corti.
6. Sensations carried by Posterior column.
7. Mention the conditions where neuron specific enolase and Creatine kinase levels raises?
8. Functions of Vitamin D.
9. What is balanced diet?
10. Rigor mortis.
