

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 origin, course, termination and functions of corticospinaltract.
What is Hemiplegia and mention its clinical features.
2. Define NMJ? Write in brief about the mechanism of neuromuscular transmission?
Add a note on Myasthenia Gravis.
3. What is normal blood calcium level? Explain the functions and deficiency manifestations of calcium?

II. Write Notes on:

(8 x 5 = 40)

1. Wallerian degeneration.
2. Conducting system of heart.
3. Rh incompatibility.
4. Mechanism of HCL secretion.
5. Cushing's syndrome.
6. Neural regulation of respiration.
7. Classify lipids and mention its functions.
8. Explain the formation and biochemical analysis of CSF.

III. Short Answers on:

(10 x 3 = 30)

1. Juxta Glomerular apparatus.
2. Vital capacity.
3. Define ejection fraction and its normal value.
4. Secondary active transport.
5. Dark adaptation.
6. Name any two facilitatory and inhibitory neurotransmitters.
7. What is coenzyme? Give two examples.
8. Mention any four buffers in human body.
9. Name any three clotting factors activated by vitamin K.
10. Tests for ovulation.
