

[LH 0815]

AUGUST 2015

Sub.Code :2502

**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 a neat diagram on corticospinal tract. Add a note on origin, termination and functions of corticospinal tract.
2. Define synapse. Explain in detail about the synaptic transmission. Add a note on neurotransmitters involved in transmission.
3. Name the fat soluble vitamins. Explain in detail about vitamin A. Add a note on deficiency of vitamin A.

II. Write Notes on: **(8 x 5 = 40)**

1. Draw a neat diagram of Structure of neuron.
2. Functions of vitamin C.
3. Pathway of taste.
4. Mitochondria.
5. Referred pain.
6. Properties of smooth muscle.
7. Functions of autonomic nervous system.
8. Difference between rods and cones.

III. Short Answers on: **(10 x 3 = 30)**

1. Heart sounds.
2. Marasmus.
3. Land strainers law.
4. Cyanosis.
5. Respiratory quotient.
6. Spermatogenesis.
7. Taste buds.
8. Functions of placenta.
9. Structure of nephron.
10. Functions of bile.
