

**FIRST B.N.Y.S. DEGREE EXAMINATION**

**PAPER IV – HUMAN PHYSIOLOGY - II**

*Q.P. Code : 821506*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 X 15 = 30)**

1. Enumerate the various changes during Muscular Contraction. Explain the Molecular basis of contraction.
2. Describe the action and regulation of Growth Hormone.

**II. Short Notes:**

**(10 X 5 = 50)**

1. Lactation.
2. Physiology of Sleep.
3. Accomodation.
4. Regulation of Blood Sugar level.
5. Functions of Hypothalamus.
6. Layers of Retina.
7. Corpus Luteum.
8. Taste buds.
9. Acetylcholine.
10. Gametogenic functions of testis.

**III. Short Answers:**

**(10 X 2 = 20)**

1. Vasectomy.
2. Anosmia.
3. Papez Circuit.
4. Cells of Claudis.
5. Myosin.
6. Motion Sickness.
7. Babinski Sign.
8. Sertoli Cells.
9. Astigmatism.
10. Absolute refractory period.

\*\*\*\*\*