

[LE 1506]

FEBRUARY 2014

Sub.Code :1506

FIRST YEAR B.N.Y.S. DEGREE EXAM

PAPER IV – HUMAN PHYSIOLOGY-II

*Q.P. Code : 821506*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essays Questions:**

**(2X15=30)**

1. What are the hormones of thyroid hormones. Explain the process of synthesis and function and add a note on its dysfunction
2. Write an essay on ascending pathways and its function

**II. Short Notes:**

**(10X5=50)**

1. Short note on cerebrospinal fluid
2. Short note on neuro-muscular junction.
3. Explain in brief about the reflex arc and its components.
4. Explain the function of parathormone
5. What are the important actions of glucagon?
6. Explain the Ventral spinocerebellar tract.
7. Write the process of ovulation
8. Write short notes of sex differentiation and determination
9. Write short notes on hearing mechanism
10. Write a short note on sleep.

**III.Short Answers:**

**(10X2=20)**

1. What is nystagmus?
2. What is stretch reflex?
3. What is presbyopia?
4. What is sarco-tubular system?
5. Name four neuro-transmitters
6. What are the hormones secreted by ovaries?
7. Name the layers of adrenal cortex
8. Name the types of neurons
9. Explain all or none law
10. Explain main functions of oxytocin

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