

[LB 1506]

Sub. Code: 1506

FIRST YEAR B.N.Y.S. DEGREE EXAM – AUGUST 2012

Paper – IV HUMAN PHYSIOLOGY – II

Q.P. Code: 821506

Time: 180 Minutes

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

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|---|----|----|----|
| 1. Describe the synthesis, storage, release, transport functions and regulation of secretion of thyroid hormones. | 16 | 25 | 15 |
| 2. Explain the different parts of cerebellum. Enumerate the functions of cerebellum write a note on cerebellar lesions. | 16 | 25 | 15 |

II. Short notes on:

- | | | | |
|---|---|---|---|
| 1. Accommodation reflex. | 3 | 8 | 5 |
| 2. Mechanism of hearing. | 3 | 8 | 5 |
| 3. Properties of smooth muscle. | 3 | 8 | 5 |
| 4. Functions of hypothalamus. | 3 | 8 | 5 |
| 5. Process of ovulation. | 3 | 8 | 5 |
| 6. Upper motor neuron lesion. | 3 | 8 | 5 |
| 7. Note on basal ganglia. | 3 | 8 | 5 |
| 8. Synapse. | 3 | 8 | 5 |
| 9. Explain reflex arc and the properties of reflexes. | 3 | 8 | 5 |
| 10. Endocrine functions of pancreas. | 3 | 8 | 5 |

III. Short Answers on:

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|--------------------------|---|---|---|
| 1. Motion sickness. | 1 | 5 | 2 |
| 2. Referred pain. | 1 | 5 | 2 |
| 3. Spike potential. | 1 | 5 | 2 |
| 4. Myasthenia gravis. | 1 | 5 | 2 |
| 5. Myxedema. | 1 | 5 | 2 |
| 6. Sertoli cells. | 1 | 5 | 2 |
| 7. Stretch reflex. | 1 | 5 | 2 |
| 8. Composition of semen. | 1 | 5 | 2 |
| 9. Vitreous humor. | 1 | 5 | 2 |
| 10. Optic Chiasma. | 1 | 5 | 2 |
