

(041230202)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017

THIRD SEMESTER

Branch - Zoology ✓

Paper II - NEUROBIOLOGY

(New Regulation)

Time : 3 Hours

Max. Marks : 70

**PART - A**

Answer any FIVE of the following.

(Marks : 5 × 4 marks = 20 marks)

1. Cerebral cortex.
2. Structure of brain.
3. Gating mechanisms.
4. Ultra structure of synapse.
5. Vasopressin.
6. Cerebrospinal fluid.
7. Hipnotic drugs.
8. Parkinson's disease.

**PART - B**

Answer FOUR of the following.

(Marks : 4 × 12.5 marks = 50 marks)

**UNIT - I**

9. (a) Write in detail on Associated structures of neurons.

**Or**

- (b) Give an account an Autonomous nervous system.

**UNIT - II**

10. (a) Describe the structure and integration of synapses.

**Or**

- (b) Write in detail on Molecular mechanism of excitation and carrier proteins.

[P.T.O.]

UNIT - III

11. (a) Explain the chemical composition of the nervous system.

Or

(b) Give an account on mechanisms and functions of neurotransmitters.

UNIT - IV

12. (a) Write in detail on drug abuse and treatment programmes.

Or

(b) Give a detailed account on Mind altering drugs.

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