



**LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034**

**M.Sc. DEGREE EXAMINATION – COUNSELLING PSYCHOLOGY**

**FIRST SEMESTER – NOVEMBER 2024**

**PCP 1501 – BIOPSYCHOLOGY**



Date: 08-11-2024

Dept. No.

Max. : 100 Marks

Time: 01:00 pm-04:00 pm

**PART – A**

**Q. No. Answer any FOUR questions (not exceeding 200 words)**

**(4 x 5 = 20 Marks)**

- 1 Describe degeneration and lesion techniques.
- 2 Explain the functions of blood brain barrier and cerebrospinal fluid.
- 3 How does hormonal control influence aggressive behavior?
- 4 Explain the factors affecting consciousness.
- 5 Give a note on neurophysiological basis of learning.

**PART – B**

**Answer any FOUR questions (not exceeding 500 words)**

**(4 x 10 = 40 Marks)**

- 6 Explain the neural basis of emotional communication.
- 7 Discuss the perspectives in mind-brain relationship.
- 8 Explain lateralization and neurophysiology of speech.
- 9 What are the ethical issues of psychological research in Biopsychology?
- 10 Explain the relationship between hormones and brain.

**PART – C**

**Answer any TWO questions (not exceeding 1000 words)**

**(2 x 20 = 40 Marks)**

- 11 Elaborate the structure of human brain, cerebral cortex, prefrontal cortex and the different lobes.
- 12 Describe the neurological basis of memory, brain damage and dysfunction of memory
- 13 Explain the theories of motivation, hunger and thirst neural mechanisms.

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