

Reg. No. : .....

Name : .....

**Fourth Semester B.Sc. Degree Examination, July 2019**

**First Degree Programme under CBCSS**

**Complementary Course for Psychology**

**ZO 1431.2- PHYSIOLOGY OF EMOTION AND COGNITION**

**(2013 Admission onwards)**

Time : 3 Hours

Max. Marks : 80

PART – A

I. Answer **all** questions. Each question carries **1** mark

A. Fill in the blanks:

1. A \_\_\_\_\_ is a chemical or biological agent, or an event that causes stress to an organism.
2. The neurological process that converts information from short-term memory into long-term memory is termed as \_\_\_\_\_
3. Failure to retrieve a word from memory, combined with partial recall is known as \_\_\_\_\_
4. \_\_\_\_\_ nucleus is located within the deep white matter of each cerebellar hemispheres.

P.T.O.

5. \_\_\_\_\_ is the Brain surgery for alleviating psychological problems.

B. **State whether True or False.**

6. Working memory is often referred as long-term memory.

7. Over-illumination and Elevated sound levels, are chemical stressors.

8. Alzheimer's Disease is also referred as presenile dementia.

9. Neural structure in Medulla oblongata include the Mammillary body

10. A milder form of depression is known as Dysthymia.

(10 × 1 = 10 Marks)

PART - B

II. Answer **any eight** questions in two sentences each. Each carries 2 marks.

11. Amyloid

12. Aggression

13. Meditation

14. D-state

15. Frontal lobe

16. Endorphins

17. NREM

18. Serotonin
19. Memory code molecules
20. Conditioning
21. Short term memory
22. Pleasure area

(8 × 2 = 16 Marks)

### PART – C

III Answer **any Six** questions. Each question carries 4 marks. The answers should not exceed 120 words.

23. Comment on Kluver–Buey syndrome
24. What is Desensitization?
25. Differentiate STM from LTM.
26. Explain Retrieval theory.
27. Comment on “working memory”.
28. Give an account on Autism.
29. Define Pavlovian Connectionism.
30. What is Perseveration?
31. Give the significance of polygraphs.

(6 × 4 = 24 Marks)

**IV** Answer any **two** of the following. Each carries 15 marks.

32. Explain the various theories involved in the physiology of Learning.
33. What is the Limbic system? Mention its functions.
34. Elaborate on Affective disorders.
35. Describe Lashley's attempts to localise learning in the Cerebral cortex.

**(2 × 15 = 30 Marks)**