

**Fourth Semester BSc Degree Examination April/May**  
**PSYCHOLOGY**  
**Complimentary Course IV**  
**ZO 1431.2 PHYSIOLOGY OF EMOTION & COGNITION**

**Time: 3 Hours**

**Maximum Marks: 80**

**1. Answer all questions. Each carries one mark**

**A) Choose the correct answer.**

1. The link between limbic system and emotion was first suggested by the experiments of \_\_\_\_\_  
(a) Kluver and Bucy      (c) Cannon Bard  
(b) Jams Lange              (d) karl Lashley
2. Cognitive disorder characterised by detached or chaotic emotions are labelled as  
(a) Neurosis                  (c) Psychosomatic  
(b) Organic                  (d) Psychosis
3. explicit memories for particular events or experience are called  
(a) semantic memory      (c) episodic memory  
(b) conscious memory      (d) none of the above
4. who proposed that memories were not localise in one part of the brain, but were widely distributed throughout the cortex  
(a) skinner                  (c) J.B watson  
(b) Adolf meyer              (d) jean piaget

**B. Fill in the blanks:**

5. Conscious memory is called.....
6. Removal of frontal lobe renders emotional excitable monkeys.....
7. The literal meaning of emotion is.....
8. Working memory is also called.....

**C. State whether true or false:**

9. Memory is having limited capacity
10. Frontal lobe is responsible for decision making
11. Short term is connected in to long term memories in the hippocampus
12. Complete loss of past memory is anterograde amnesia

**(1X 13 =13)**

**D. Match the following:**

- |     |               |                                  |
|-----|---------------|----------------------------------|
| 13. | kluver bucy   | (a) emotion                      |
| 14. | cannon-bard   | (b) information processing model |
| 15. | cognition     | (c) sensory brain                |
| 16. | echoic memory | (d) lesion                       |

**(2)**

**E. Answer any 8 questions in two sentences. Each carries a mark of 3 marks**

17. What is anterograde amnesia?
18. Explain affective disorder?

19. Learning outside hippocampus
20. What do you understand by trace decay theory of forgetting?
21. Anatomical basis of emotion
22. Define long term memory?
23. What is broca's area?
24. Pleasure centres of brain?
25. Explain emotional breakdown?
26. Synaptic brain of learning
27. What do you understand by memory retrieval?
28. Theory of cognitive development

**(8 X 3 = 24)**

**F. Answer any 5 answers not to exceed 100 words. Each carries a mark of 5 marks**

29. Explain instrumental conditioning?
30. Describe the structure of limbic system?
31. Types of sleep
32. Biochemical basis of memory formation
33. Memory in brain damaged humans
34. ANS and emotional breakdown
35. Liaison studies
36. Kluver bucy syndrone
37. Explain dreaming
38. Wernicke's area

**(5 X 5=25)**

**G. Answer any 2 of the following. Each carries a mark of 8 marks**

39. Explain the neural basis of emotion?
40. Briefly describe what is forgetting and the theories of forgetting
41. Explain stress and physiological responses?

**(8 X 2 =16)**