



K24U 0748

Reg. No. :

Name :

IV Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, April 2024
(2019 to 2022 Admissions)

COMPLEMENTARY ELECTIVE COURSE IN PSYCHOLOGY
4C04PSY : Biopsychology

Time : 3 Hours

Max. Marks : 40



PART – A
(Short Answer)

Answer **all** questions.

(6×1=6)

1. Narcolepsy.
2. Osmotic thirst.
3. Synapse.
4. Habituation.
5. Hebbian synapse.
6. Sleep apnea.



PART – B
(Short Essay)

Answer **any 6** out of 8.

(6×2=12)

7. Circadian rhythms and biological clock.
8. Role of amygdala and emotion.
9. Anorexia nervosa.
10. What is hypovolemic thirst ?

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11. Explain the sex hormones.
12. What is REM ?
13. Explain the set point.
14. Discuss the allostasis.

**PART – C
(Essay)**

Answer **any 4** out of 6.

(4×3=12)

15. Explain the non-homeostatic drinking.
16. Discuss the role of hypothalamus and limbic system in emotion.
17. Explain the regulation of sexual behavior.
18. Discuss the hemispheric specialization of emotion.
19. Elucidate the disorders of arousal and sleep.
20. Explain the feeding control in the brain.

**PART – D
(Long Essay)**

Answer **any 2** out of 4.

(2×5=10)

21. Write an essay on the neural basis of emotion.
 22. What is learning ? Explain the biological basis of learning and memory.
 23. Explain the process of hunger and eating disorders.
 24. Discuss the physiological measures of alertness and arousal and explain the different stages of sleep.
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