

**QP Code: P24A038**

**Reg. No** : .....

**Name** : .....

**ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20**  
**I SEMESTER M.Sc (CBCSS -PG) DEGREE EXAMINATION, November 2024**

**M.Sc Psychology**  
**PSY1C04 : Physiological Psychology**  
**2024 Admission Onwards**

**Time : 3 Hours**

**Maximum Weightage : 30**

**Part A**

*Short answer type questions: Answer **any four** questions. Weightage 2 for each question*

1. What is cerebral dominance? [BTL1]
2. Define hormones. [BTL1]
3. How would you use a specific neuro-anatomical research method to study the brain activity during a cognitive task? [BTL3]
4. Explain the role of pain receptors. [BTL2]
5. Discuss how environmental factors might contribute to the anatomical asymmetry between individuals. [BTL2]
6. List out the functions of nervous system. [BTL1]
7. Make use of neural foundations to explain sexual dynamics. [BTL3]

**(4x2 = 8 Weightage)**

**PART B**

*Short essay-type questions: Answer **any four** questions. Weightage 3 for each question*

8. Explain thirst. [BTL1]
9. Explain the role of cortex, hippocampus and synaptic basis of behavior in learning. [BTL2]
10. Identify different theories of audition. [BTL4]
11. Compare and contrast colour vision and colour blindness. [BTL3]
12. Compare and contrast the cortical localization of language and perception. [BTL4]
13. Evaluate the functions and theories of chemoreceptors. [BTL5]
14. Differentiate between physiological and autonomic responses in emotional states. [BTL4]

**(4x3 = 12 Weightage)**

**PART C**

*Essay-type questions: Answer **any two** questions. Weightage 5 for each question*

15. Identify the theories of metabolic signals. [BTL4]
16. State the theory of memory consolidation and memory in brain damaged individuals. [BTL1]
17. Evaluate the neural mechanism of sleep and sleep disorders. [BTL5]
18. Critically evaluate the role of limbic system. [BTL3]

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**(2x5 = 10 Weightage)**