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Name.....

Reg. No.....

**FOURTH SEMESTER INTEGRATED P.G. DEGREE (REGULAR/
SUPPLEMENTARY/IMPROVEMENT) EXAMINATION, APRIL 2025
(2021 ADMISSION ONWARDS)**

AND

**FOURTH SEMESTER INTEGRATED P.G. DEGREE (SUPPLEMENTARY/
IMPROVEMENT) EXAMINATION – APRIL 2024 (2020 ADMISSIONS)**

(FOR THE CANDIDATES OF AFFILIATED COLLEGES)

M.Sc. Psychology

PSG 4IC 01—HUMAN PHYSIOLOGY—IV

Time : Two Hours

Maximum : 60 Marks

Part A*All questions can be answered.**Each question carries 2 marks.**(Ceiling 20 marks)*

1. What is Anorexia ?
2. Puberty associated changes in male.
3. Explain the physiology of thirst.
4. Write a note on the pathophysiology of Epilepsy.
5. Define Focal epilepsy.
6. Give a short note on the cerebral ischemia.
7. Functions of frontal lobe.
8. Explain the role of reward centre in brain in behaviour.
9. Pathophysiology of Huntington's disease.
10. Describe the amygdala and its relationship to the limbic system in the brain.
11. Give a note on frontal lobe impairment.
12. Write a note on the functions of peptide YY.

Turn over

Part B

*All questions can be answered.
Each question carries 5 marks.
(Ceiling 30 marks)*

13. Explore the potential for new treatments targeting hypothalamic circuits for various psychological conditions.
14. Write a note on psychological factors contributing to obesity.
15. Explain neural plasticity.
16. Discuss the role of amygdala.
17. Explain the functions of testosterone.
18. Write a note on perinatal hormones behavioural development
19. Differentiate between Cachexia and Picca.

Part C

*Answer any **one** question.
The question carries 10 marks.*

20. Analyse the role of hypothalamus in sexual behaviour and reproduction.
21. Explain the role of ghrelin and leptin in regulating hunger and satiety. Add a note on eating disorders.

(1 × 10 = 10 marks)