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Name.....

Reg. No.....

**FOURTH SEMESTER INTEGRATED P.G. DEGREE (REGULAR/
SUPPLEMENTARY/IMPROVEMENT) EXAMINATION, APRIL 2026**

Allied Core Course

PSG4IC01—HUMAN PHYSIOLOGY—IV

(2020 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

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

1. Give any *four* functions of limbic system.
2. Cerebral hemorrhage.
3. Explain the physiology of fear.
4. Write a note on the pathophysiology of multiple sclerosis.
5. Define Neurotoxins.
6. Give a short note on amygdala.
7. Functions of fetal testosterone.
8. Write any *four* Puberty changes in male.
9. Pathophysiology of Alzheimer's disease.
10. Give a note on cellular dehydration.
11. Functions of progesterone.
12. Write a note on apoptosis.

Turn over

Part B

All questions can be answered.

Each question carries 5 marks.

(Ceiling 30 marks)

13. Explain the role of hypothalamus in food intake.
14. Write a note on obesity and eating disorders.
15. Explain cerebral ischemia.
16. Discuss the physiology of hypovolemic thirst.
17. Explain the physiology of female reproductive hormones.
18. Role of hormones in food intake
19. Differentiate between grand Mal Epilepsy and Petit mal Epilepsy.

Part C

*Answer any **one** question.*

The question carries 10 marks.

20. What is Alzheimer's disease. Explain the molecular mechanism of Alzheimer's disease in detail.
21. What is Epilepsy? What are the different types of epilepsy. What are the Psychological and social challenges faced by individuals with epilepsy.

(1 × 10 = 10 marks)