C 44642 **(Pages : 2)** **Name.....**

Reg. No.....

FOURTH SEMESTER INTEGRATED P.G. DEGREE REGULAR EXAMINATION, APRIL 2023

M.Sc. Psychology

PSG4IC01—HUMAN PHYSIOLOGY—IV

(2021 Admissions)

Time : Two Hours Maximum : 60 Marks

Draw neat labelled diagrams wherever needed.

A. One Sentence :

1 Name two hormones involved in the regulation of food intake.

2 Inhibitory neurotransmitter.

3 Temporary cessation of function of the nerve due to its compression is called

4 Parkinson's disease is due to a deficiency of which neurotransmitters at the substantia nigra

5 Damage to the nigrostriatal pathway causes

6 Feeding centres are located in ———————— nucleus of the hypothalamus

7 Loss of memory is termed ————————.

8 Paralysis of one half of the body is termed

9 The hormones responsible for the milk ejection reflex is

10 Name the proteinaceous hormones that control spermatogenesis

(10 × 1 = 10 marks)

B. Short Answer. Answer any *five* :

11 The cytopathologic hallmark of Alzheimer's disease are.

12 Glucostat theory of food intake.

13 Eating disorder.

14 Functions of amygdala.

15 Kisspeptin.

Turn over

16 Difference between Alzheimer's disease and senile dementia.

17 Ischemic stroke and hemorrhagic stroke.

18 Subdural hemorrhage and subarachnoid hemorrhage.

19 Cerebral perfusion pressure.

20 Difference between encephalitis and Meningitis.

(5 × 2 = 10 marks)

C. Paragraph. Answer any *five* :

21 Role of Angiotensin in water balance.

22 Factors that stop meals.

23 Chemical factors serve as satiety signals.

24 Papez circuit.

25 Mechanism of cerebral Ischemia.

26 Difference between seizure and epilepsy.

27 Meningitis.

28 Discuss the role of the amygdala in emotional processing.

(5 × 4 = 20 marks)

D. Essay Type. Answer any *two* :

29 Describe the organization, connections and functions of the hypothalamus.

30 Explain the limbic system's structural organization, major connections and functions.

31 Alzheimer's disease and its physiological basis.

32 Role of testosterone in sex differentiation and explain its functions.

(2 × 10 = 20 marks)