C 25108 **(Pages : 2)** **Name.....**

Reg. No.....

FOURTH SEMESTER P.G. (INTEGRATED) [REGULAR] EXAMINATION
APRIL 2022

M.Sc. Psychology (2000 Admissions only)

PSG 4I C01—HUMAN PHYSIOLOGY-IV

(For 2020 Admissions only)

Time : Two Hours Maximum : 60 Marks

Draw neat labelled diagrams wherever needed

A. One sentence :

1 Name the centres in the Hypothalamus involved in food intake.

2 Hemiplegia is produced when the Corticospinal tract is damaged ———— level of brain.

3 The Neurotransmitter in the Nigrostriatal pathway.

4 Parkinsonism is treated with the administration of ————.

5 Satiety centres are located in———— nucleus of the hypothalamus

6 Paralysis of all *four* Limbs is called ————.

7 Paralysis of both Lower Limbs is called ————.

8 Babinski's positive sign is the feature of ————.

9 The hormone that is commonly known as love hormones.

10 The Brain reward centres are located in ————.

(10 × 1 = 10 marks)

B. Short Answer (Answer any *five*) :

11 Neurotoxin.

12 Grandmal Epilepsy.

13 Alzheimer's disease.

14 Testosterone.

15 Antidiuretic Hormones.

Turn over

16 Rage.

17 Functions of the Limbic system.

18 Sexually Dimorphic Behaviour.

19 Sex Chromosomes.

20 SRY Gene.

(5 × 2 = 10 marks)

C. Paragraph (Answer any five) :

21 James Lange's Theory.

22 Actions and regulation of Gonadotrophic hormones in male and female.

23 Role of the Hypothalamus in food intake.

24 Actions of testosterone and its regulation.

25 Osmometric Thirst

26 Discuss the physiological factors that may contribute to Anorexia Nervosa and Bulimia Nervosa.

27 Kluver Bucy syndrome.

28 Body fluid compartment.

(5 × 4 = 20 marks)

D. Essay type (Answer any *two*) :

29 Describe the physiological organization of the Limbic system and explain the functions of the limbic system.

30 Parkinson's syndrome and its neurophysiological basis.

31 Define obesity, what are the different categories. Discuss the pathological basis of obesity.

32 What is thirst, what are *two* different types of thirst ? Explain the Neural mechanism of thirst.

(2 × 10 = 20 marks)