

D 14419

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER INTEGRATED P.G. REGULAR EXAMINATION
NOVEMBER 2021 (FOR 2020 ADMISSIONS) AND NOVEMBER 2022
(FOR 2021 ADMISSIONS)**

M.Sc. Psychology

PSG 3I C01—HUMAN PHYSIOLOGY—III

Time : Two Hours

Maximum : 60 Marks

Draw neat labelled diagrams wherever needed.

(A) One sentence :

- 1 Name the receptors for vision.
- 2 The vascular layer of the eyeball.
- 3 Myopia can be corrected by _____ lens.
- 4 Dilator pupillae are supplied by.
- 5 The first order that carries slow pain.
- 6 Distant vision is tested by.
- 7 Visual cortex is located in _____ lobe.
- 8 List hormones secreted by the posterior pituitary gland.
- 9 Give an example of a monosynaptic reflex.
- 10 Two hormones secreted by the placenta.

(10 × 1 = 10 marks)

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

- 11 What are Paracrine hormones ?
- 12 Second messenger system and give examples.
- 13 Name the hormone secreted from the anterior pituitary ?
- 14 List the physiological actions of prolactin.
- 15 Aldosterone escape.
- 16 What is LMN ?

Turn over

- 17 Kernicterus.
- 18 Clinical features of Parkinson's disease.
- 19 Give 3 properties of reflexes.
- 20 Write 2 differences between REM and NREM sleep.

(5 × 2 = 10 marks)

(C) Paragraph. Answer any *five* :

- 21 Tests for hearing.
- 22 Explain photo-chemical changes in photoreceptors involved in Wald's visual cycle.
- 23 ADH.
- 24 Describe taste buds and perception of taste sensations.
- 25 Describe the organ of corti.
- 26 Define and classify sensory receptors.
- 27 Cushing's syndrome.
- 28 Common errors of refraction.

(5 × 4 = 20 marks)

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

- 29 Describe briefly on endogenous analgesic system and gate control mechanisms for pain sensation.
- 30 Physiology of olfactory and gustatory sensations.
- 31 Trace the visual pathway and various lesions of the visual pathway.
- 32 List hormones secreted by anterior pituitary gland and explain the physiological actions of growth hormone.

(2 × 10 = 20 marks)