

D 114837

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER INTEGRATED P.G. DEGREE (REGULAR/
SUPPLEMENTARY/IMPROVEMENT) EXAMINATION, NOVEMBER 2024
(2021 TO 2023 ADMISSIONS) AND THIRD SEMESTER INTEGRATED
P.G. DEGREE (SUPPLEMENTARY/IMPROVEMENT) EXAMINATION
NOVEMBER 2023 (2020 ADMISSIONS)**

Allied Core

PSG3 IC01—HUMAN PHYSIOLOGY – III

Time : Two Hours

Maximum : 60 Marks

Draw neat labelled diagrams wherever needed.

A.. One sentence :

- 1 The receptor for an audition.
- 2 Name the two inhibitory cells of the olfactory bulb.
- 3 Increased intraocular pressure results in.
- 4 Name the muscle of the middle ear.
- 5 Name the nuclei of the thalamus the visual pathway relay.
- 6 The first order that carries fast pain.
- 7 Hypermetropia is corrected by.
- 8 Protoanopia is the blindness for.
- 9 Adrenogenital syndrome is due to.
- 10 The cerebral cortex is concerned with general somatic sensation.

(10 × 1 = 10 marks)

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

- 11 Autocrine hormones.
- 12 Name the hormone secreted from post pituitary.
- 13 Goiter.
- 14 What is referred pain ? Give examples.
- 15 Dermatomes.
- 16 Reflex arc.

Turn over

- 17 Babinski sign.
- 18 Waves of ECG.
- 19 Features of gigantism.
- 20 Causes of tetany.

(5 × 2 = 10 marks)

C. Paragraph (answer any *five*) :

- 21 The functions of the middle ear.
- 22 Physiology of colour vision.
- 23 Describe the pathway and changes taking place during the accommodation reflex.
- 24 Explain the structure of olfactory receptors.
- 25 Explain the properties of receptors.
- 26 Endogenous analgesia system.
- 27 Conn's syndrome.
- 28 Negative and positive feedback regulation in endocrine homeostasis.

(5 × 4 = 20 marks)

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

- 29 With the help of a diagram describe how pain sensation is carried from an injury in the lower limbs. Add a note on the central analgesic system.
- 30 Auditory pathway and its significance.
- 31 Describe the actions of thyroxine in various systems. Give the symptoms of thyrotoxicosis.
- 32 List the sensation carried by dorsal column of spinal cord. Explain the pathway for fine touch from left leg.

(2 × 10 = 20 marks)