

D 144198

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Name.....

Reg. No.....

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

Allied Core Course

PSG2IC01—HUMAN PHYSIOLOGY—II

(2020 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

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

1. What is cardiac index ?
2. Difference between anaemic and stagnant hypoxia.
3. Define synapse and explain the physiological classification of synapse.
4. Write a note on EEG.
5. Functions of sarcoplasmic reticulum.
6. What is blood CSF barrier ?
7. What are the functions of limbic system ?
8. Write and explain ventilation.
9. What is timed vital capacity ?
10. Give a note on PET.
11. Define cyanosis.
12. Write a note on the different types of neuroglia.

Turn over

Part B

*All question can be answered.
Each question carries 5 marks.
(Ceiling : 30 marks)*

13. Give a note on the functions of Cerebellum.
14. Write a note on Physiology of sleep.
15. Explain the mechanism of impulse transmission through NMJ.
16. Discuss different types of periodic breathing.
17. Explain the regulation of cardiac output.
18. Give a note on neurotransmitters and neuro muscular blockers.
19. Explain lung volumes and lung capacities.

Part C

*Answer any **one** question from the following.*

21. Define heart rate. Explain the mechanism of regulation of heart rate.
21. Explain the mechanism of carbon dioxide transport and add a note on asphyxia.

(1 × 10 = 10 marks)