

D 53693

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Psychology

PSG 1C 01—HUMAN PHYSIOLOGY—I

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Part A*Answer **all** questions in **a word**.**Each question carries 1 mark.*

1. Heterozygostasis.
2. Pleiotropy.
3. Epistasis.
4. Plasma membrane.
5. Proteins.
6. Exons.
7. Carbohydrates.
8. Cell.
9. Autosomal chromosome.
10. DNA.

(10 × 1 = 10 marks)

Part B*Write short notes on any **five**.**Each question carries 2 marks.*

11. Cell organelles.
12. Cell principle.
13. Monohybrid cross.

Turn over

14. Dominant negative mutation.
15. Alkaptonuria.
16. DNA replication.
17. Homozygosity.
18. Introns.
19. Lipids.
20. Tissue.

(5 × 2 = 10 marks)

Part C

*Answer any **five** questions in a paragraph.*

Each answer carries 4 marks.

21. Detail on structure of carbohydrates.
22. What is fluid mosaic model ?
23. Elaborate on the cell theory.
24. Which are the different kinds of mutation ?
25. Explain morphology of chromosomes.
26. Discuss about Mendel's work.
27. Explain unicellularity to multicellularity aspect of cell.
28. What are the kinds of chromosomes ?

(5 × 4 = 20 marks)

Part D (Essay Question)

*Answer any **two** questions.*

Each answer carries 10 marks.

29. Give an account of gene mutation disorders.
30. Explain genotype expression.
31. Explain sex linked chromosomes and its anomalies.
32. Explain the structure of DNA and DNA replication.

(2 × 10 = 20 marks)