

D 93948

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2020**

Psychology

PSG 1C 01—HUMAN PHYSIOLOGY—I

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer all questions.
Each question carries 1 mark.*

1. Plasma membrane.
2. Carbohydrates.
3. Tissue.
4. Mitochondria.
5. DNA.
6. Mitosis.
7. Allele.
8. Pleiotropy.
9. Genes.
10. Albinism.

(10 × 1 = 10 marks)

Section B

*Answer at least five questions.
Each question carries 2 marks.
All questions can be attended.
Overall Ceiling 10.*

11. Phagocytosis.
12. Endoplasmic reticulum.
13. Genetic code.
14. Cell membrane function.
15. Meiosis I and II.
16. Monohybrid cross.

Turn over

17. Silent mutation.
18. Co-dominance.
19. Alkaptonuria.
20. Edward's syndrome.

(5 × 2 = 10 marks)

Section C

*Answer at least **four** questions.*

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 20.

21. Describe the fluid mosaic model concept.
22. Different types of tissues.
23. Kinds of chromosomes.
24. Phases of mitosis.
25. Differentiate homozygosity and heterozygosity.
26. Sex linked chromosomes.
27. Epistasis.
28. Down syndrome.

(4 × 5 = 20 marks)

Section D

*Answer any **two** questions.*

Each question carries 10 marks.

29. What is a cell ? Explain the structure of a cell.
30. Give a brief explanation about the morphology of chromosomes.
31. Examine Mendel's work on inheritance.
32. Explain the different gene mutation disorders.

(2 × 10 = 20 marks)