

25U128S

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - UG)

CC19UPSG1C01 - HUMAN PHYSIOLOGY - I

(Physiology - Complementary Course)

(2019 to 2023 Admissions - Supplementary)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Fluid Mosaic Model.
2. Glycogen.
3. Disaccharide.
4. Epithelial tissue.
5. Nucleoside.
6. DNA helicase.
7. Colinearity of codon.
8. Sister chromatids.
9. Interphase.
10. Test cross.
11. Other patterns of inheritance.
12. Induced mutation.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Briefly describe the cell theory.
14. Operon concept with suitable diagram.
15. Procedure of karyotyping.
16. Write a note on sex-linked chromosomes.

17. Brief explanation of terms - Alleles, homozygosity and heterozygosity.
18. Autosomal anomalies - Down's syndrome and Edward's syndrome.
19. Klinefelter's syndrome.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

20. Write an essay on meiotic cell division with suitable diagram.
21. Describe gene mutation and gene mutation disorders.

(1 × 10 = 10 Marks)
