

24U128S

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(CBCSS - UG)

CC19U PSG1 C01 - HUMAN PHYSIOLOGY - I

(Physiology - Complementary Course)

(2019 to 2023 Admissions - Supplementary/Improvement)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Haemoglobin.
2. Primary structure of protein.
3. Cell differentiation.
4. Epithelial tissue.
5. Nucleoside.
6. 5' and 3' ends.
7. Exons.
8. Homologous chromosome.
9. Sex-linked chromosome.
10. Cytokinesis.
11. Zygotene stage.
12. Phenotype.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Fluid Mosaic Model of plasma membrane with suitable diagram.
14. Differences between unicellular organism and multicellular organism.
15. Mendel's laws of inheritance.
16. Brief description of other patterns of inheritance - Multiple allelism, epistasis and pleiotropy.
17. Classification of mutation (somatic, gametic, point, spontaneous, induced and silent).
18. Gene mutation disorders - Albinism, Phenylketonuria and alkaptonuria.

19. Turner's syndrome.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe linkage and crossing over with suitable diagrams.

21. Give an account on autosomal and sex chromosomal anomalies.

(1 × 10 = 10 Marks)
