

22U119

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U PSG1 C01 - HUMAN PHYSIOLOGY I

(Physiology - Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Unicellularity.
2. How DNA is classified based on its shape?
3. DNA helicase.
4. Mullerian duct.
5. Karyokinesis.
6. Dihybrid cross.
7. Genotype.
8. Deletion mutation.
9. Spontaneous mutation.
10. Brachydactyli.
11. Down's syndrome.
12. Turner's syndrome.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Structure of disaccharide with suitable diagram.
14. Brief mention of spatial and temporal control of gene activity.
15. Brief description of major types of tissues.
16. Write a note on genetic code.

17. Procedure of karyotyping.
18. Mechanism of crossing over.
19. Brief description of other patterns of inheritance - Multiple allelism, epistasis and pleiotrophy.

(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. Write an essay on meiotic cell division with suitable diagram.

(1 × 10 = 10 Marks)
