

21U122

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. Steroid.
2. Wobble hypothesis.
3. Mitogen.
4. Wolffian duct.
5. G2 phase.
6. Test cross.
7. Heterozygosity.
8. Duplication mutation.
9. Gametic mutation.
10. Alkaptonuria.
11. Cri-du-chat syndrome.
12. Turner's syndrome.

(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. Cell inclusions with examples.

15. Differences between unicellular organism and multicellular organism.
16. What are the different enzymes involved in DNA replication?
17. Write a note on linkage.
18. Mechanism of crossing over.
19. Brief description of other patterns of inheritance - Incomplete dominance and co-dominance with suitable diagram.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Explain the structure of DNA.
21. Write an essay on meiotic cell division with suitable diagram.

(1 × 10 = 10 Marks)
