

20U119

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(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* question. Each question carries 2 marks.

1. Protoplasm theory.
2. Nucleotide.
3. DNA gyrase.
4. Gene.
5. Significance of meiosis.
6. Test cross.
7. Co-dominance.
8. Nonsense mutation.
9. Spontaneous mutation.
10. Galactosemia.
11. Edward's syndrome.
12. Klinefelter's syndrome.

(Ceiling: 20 Marks)

Part B (Short essay questions)

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

13. Briefly explain the structure of an animal cell.

14. Briefly explain the structure of protein.
15. Brief description of major types of tissues.
16. Different kinds of chromosomes with suitable diagram.
17. Mechanism of crossing over.
18. Write a note on sex-linked chromosomes.
19. Brief explanation of terms - Dominant, recessive, genotype and phenotype.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe linkage and crossing over with suitable diagrams.
21. Write an essay on mitotic cell division with suitable diagram.

(1 × 10 = 10 Marks)
