

QP CODE: 25017064

17064

Reg No : Name :

B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025

Fifth Semester

B.Sc Computer Applications Model III Triple Main

CORE COURSE - ST5CRT26 - ENVIRONMENTAL STUDIES, HUMAN RIGHTS AND DESIGN OF EXPERIMENT

2022 Admission Only

F1A84581

Time: 3 Hours

Max. Marks : 80

Part A

Answer any **ten** questions. Each question carries **2** marks.

- 1. What is the difference between biotic and abiotic part of nature? Give an example for each.
- 2. What do you mean by droughts?
- 3. What do you mean by mine safety?
- 4. What are water soluble radioactive isotopes?
- 5. What is soil erosion?
- 6. What do you mean by ozone layer depletion?
- 7. Name the three basic principles of field experimentation.
- 8. Give the mathematical model for one way classification.
- 9. Name the basic principles of field experimentation used in LSD.
- 10. Give the degrees of freedom corresponding to error in the case of one missing observation in LSD.
- 11. Give the degrees of freedom corresponding to error in the case of two missing observation in RBD.
- 12. When does human rights day observed?

(10×2=20)

Part B

Answer any **six** questions.

Each question carries 5 marks.



- 13. Explain coal and its impact on environment.
- 14. Explain human wildlife conflicts.
- 15. What is the role of public awareness and training in mitigation strategy?
- 16. What are the main steps in planning phase?
- 17. State the GM theorem.
- 18. Explain random model.
- 19. What is a CRD?
- 20. Explain the analysis of one missing observation in RBD.
- 21. What do you mean by right against exploitation?

(6×5=30)

Part C

Answer any **two** questions. Each question carries **15** marks.

- 22. Explain food resources.
- 23. What are the do's and don'ts for energy conservation?
- 24. Carry out the analysis of variance for the following data and draw your conclusions.

Chemists

Varieties 1 2 3 4

А	8	5	5	7
A	0	J	J	1

- B 7644
- C 3654
- 25. Analyse the following data and draw your conclusions.

 BLOCKS

 TREATMENT
 II
 III
 IV

 A
 8
 8
 6
 8

 B
 10
 8
 9
 10

 C
 12
 10
 10
 9

(2×15=30)