

Reg. No. :

Name :

First Semester B.Sc. Degree Examination, January 2024

Career Related First Degree Programme under CBCSS

Group 2 (a) Botany and Biotechnology

Foundation Course

BB 1121 : METHODOLOGY AND PERSPECTIVE OF BIOTECHNOLOGY

(2023 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in a word or **one** or **two** sentences. Each question carries 1 mark.

1. What is null hypothesis?
2. Define standard error.
3. Expand MOOC.
4. What is superbug?
5. Name any two fermented food products.
6. What is plagiarism?
7. Give an example for an operating system.
8. Define genetic engineering.

P.T.O.

9. What is science direct?

10. Define a law.

SECTION – B

(10 × 1 = 10 Marks)

Answer any **eight** questions. Each question carries **2** marks. (Answer not to exceed one paragraph)

11. Expand and explain GLP.

12. Differentiate between a hardware and software.

13. Explain the features of a modern personal computer.

14. What are the services offered by INFLIBNET?

15. Give a note on modern food processing techniques.

16. What is standard deviation? List its advantages.

17. Discuss the need for scientific research.

18. List the applications of IT in industry.

19. Enumerate the applications of biotechnology in medicine.

20. What is tabulation of data?

21. Write on any two biotechnology companies in India.

22. What is bioremediation?

(8 × 2 = 16 Marks)

SECTION – C

Answer any **six** questions. Each question carries **4** marks. (Answer not to exceed 120 words)

23. How cheese is produced industrially?

24. Explain graphical representation of data.

25. What is a patent? List its types.

26. Discuss the importance of reviewing the literature.

27. Comment on application softwares with examples.

28. What are the steps in gene cloning?

29. Explain hypothesis testing using Chi square analysis.

30. Discuss the use of internet as knowledge repository.

31. What is a research design? Explain its types.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries **15** marks. (Answer not to exceed three pages)

32. Discuss the applications of biotechnology in agriculture.

33. What is data? Explain its types, collection methods, interpretation and report writing.

34. Discuss on crime and security issues associated with cyber world.

35. Write an essay on measures of central tendency.

(2 × 15 = 30 Marks)