

(Pages : 3)



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Reg. No. :

Name :

First Semester B.Sc. Degree Examination, March 2023
Career Related First Degree Programme under CBCSS
Group 2(a) : Botany and Biotechnology
Foundation Course

BB 1121 : METHODOLOGY AND PERSPECTIVES OF BIOTECHNOLOGY
(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

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

1. What is standard error?
2. Name two operating systems.
3. Which is the first Genetically Modified Crop?
4. What is plagiarism?
5. List any two merits of median.
6. What is an input device?
7. Name a biotechnological research institute in India.
8. What are edible vaccines?

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9. Define a hypothesis.
10. What is cyber addiction?

(10 × 1 = 10 Marks)

SECTION – B

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

11. What is Chi square test?
12. Brief a note on bioremediation.
13. List any four features of modern personal computers.
14. What is a patent? Explain its types.
15. Mention two traditional food processing methods.
16. Discuss the impact of Covid 19 on biotechnology industry.
17. Cite the difference between Google and Google scholar.
18. What is the importance of review of literature?
19. Differentiate between hardware and a software.
20. What is GMP?
21. How is technology used in communication?
22. What is biopharming?

(8 × 2 = 16 Marks)

SECTION – C

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

23. How is biotechnology used in food processing?
24. What is an educational software? Give examples.
25. Discuss the impact of biotechnology on society.
26. Comment on Golden rice.
27. Mention the role of MOOCS in higher education.
28. What are the types of research design?
29. Brief a note on measures of central tendency.
30. How is monoclonal antibodies produced?
31. What is cyber ethics? Explain its types.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries **15** marks. (Answer not to exceed **3** pages)

32. Write an essay on classification, collection and representation of data.
33. Discuss the applications of biotechnology in agriculture.
34. What is information technology? Discuss its applications in medicine and industry.
35. Give an account on Good Laboratory Practices? Why GLP is important in scientific research?

(2 × 15 = 30 Marks)