

(Pages : 3)

N – 4236

Reg. No. :

Name :

First Semester B.Sc. Degree Examination, June 2022
Career Related First Degree Programme under CBCSS
Group 2 (a) : Botany and Biotechnology
Foundation Course

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

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 are edible vaccines?
2. Define mode.
3. What is Google Scholar?
4. Name an application software.
5. What is a copyright?
6. Define standard deviation.
7. What is secondary data?
8. What is hacking?

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9. Give an example for a biofuel.
10. What is biopharming?

(10 × 1 = 10 Marks)

SECTION – B

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

11. What is the importance of reviewing the literature?
12. List any four applications of Information Technology.
13. What is standard error?
14. Define null hypothesis.
15. What is Golden rice?
16. Brief a note on online learning platforms with examples.
17. What is median? List its merits.
18. Discuss the use of internet as knowledge repository.
19. What are the rights of patents?
20. List the services offered by INFLIBNET.
21. What is GMP?
22. Mention two traditional food processing methods.

(8 × 2 = 16 Marks)

SECTION – C

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

23. Write a short note on Good Laboratory Practices.
24. Explain hypothesis testing using Chi square analysis.
25. Describe various methods of data collection.
26. What are the steps in gene cloning?
27. Explain the industrial production of cheese.
28. What is an operating system? Give two examples.
29. Comment on IPR.
30. Define science. What is the need of scientific research?
31. Explain the features of a modern personal computer and its peripherals.

(6 × 4 = 24 Marks)

SECTION – D

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

32. What are GM crops? Explain the applications of biotechnology in agriculture.
33. Discuss the impact of biotechnology on society. Add a note on ethical issues concerned.
34. What is data? Explain the graphical and diagrammatic representation of data.
35. Discuss the issues and concerns associated with cyber world.

(2 × 15 = 30 Marks)