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

(2020 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 Recombinant DNA?

2. Define Science.

3. Name two online earning platforms.

4. What is tabulation of data?

5. Expand GMP.

6. What is science direct?

7. Define standard error.

8. What is biofuel?

P.T.O.

9. Give two examples for computer hardware.

10. Name a biotechnological research institute.

<div align="right">(10 × 1 = 10 Marks)</div>

SECTION – B

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

11. What is frequency polygon?

12. Define theory. Give two examples.

13. What is biopharming?

14. Comment on documentation of experiments.

15. What is an operating system? Give two examples.

16. Define a sample.

17. What is INFLIBNET?

18. Explain the process of data file encryption.

19. What is Standard Deviation?

20. What is a patent? List its types.

21. Discuss the need for scientific research.

22. What is test of significance?

23. Explain the industrial production of wine.

24. What is plagiarism?

25. Comment on 'Flavr Savr tomato'

26. What is null hypothesis?

<div align="right">(8 × 2 = 16 Marks)</div>

SECTION – C

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

27. What are the steps in gene cloning?

28. Comment on herbicide resistance by GM crops.

29. What is an application software? Give two examples.

30. Describe natural and controlled experiments.

31. What is review of literature? What is its importance?

32. Explain the graphical representation of data.

33. Write a short note on applications of information technology.

34. How are monoclonal antibodies formed?

35. Differentiate between primary and secondary data.

36. Discuss the use of internet as knowledge repository.

37. Explain the measures of central tendency.

38. Discuss the impact of biotechnology on society.

<div align="right">(6 × 4 = 24 Marks)</div>