

(Pages : 3)

**N – 4235**

**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**  
**(2015-2018 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. Define hypothesis?
2. What is BRNET?
3. Define mode.
4. Comment on type 1 error.
5. What is Google Scholar?
6. Define application software.
7. What is Cyber security?
8. What is GMO?
9. Define patent.
10. Expand RGCB.

**(10 × 1 = 10 Marks)**

P.T.O.

## SECTION – B

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

11. What is time series analysis?
12. What is the need of scientific research?
13. Comment on standard error.
14. What is bar diagram?
15. Define variance.
16. List the services offered by INFLIBNET.
17. What is gene cloning?
18. What is GLP?
19. Explain Plagiarism.
20. Give note on copyrights.
21. Comment on superbug.
22. Define hypothesis.

**(8 × 2 = 16 Marks)**

## SECTION – C

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

23. Mention different types of computers.
24. Differentiate between primary and secondary data.
25. Explain ethical issues with biotechnology.

26. Write a short essay on genetically modified crops.
27. Give a note on scope of modern biotechnology.
28. What is GMP? Explain its importance.
29. Write a short essay on cybercrime.
30. Describe in detail different knowledge repositories.
31. Briefly discuss educational software and its applications.

**(6 × 4 = 24 Marks)**

SECTION – D

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

32. Discuss on major biotechnology institutes and companies in India.
33. Give an essay on agriculture biotechnology. Add a note on applications.
34. What is meant by central tendency? Explain different types.
35. What is IPR? Give detailed note on types of IPR.

**(2 × 15 = 30 Marks)**

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