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D – 5154

Reg. No. :

Name :

First Semester B.Sc. Degree Examination, February 2018

(Career Related First Degree Programme under CBCSS)

Group 2 (a) : BOTANY AND BIOTECHNOLOGY

Foundation Course – I

**BB 1121 : Methodology and Perspectives of Biotechnology
(2015 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 **one** mark. **(1×10= 10 Marks)**

1. What is a patent ?
2. Explain positive control.
3. What is Pseudoscience ?
4. Name two computer peripherals.
5. What is Plagiarism ?
6. What is standard error ?
7. What is cyber ethics ?
8. What is deductive reasoning ?
9. Expand INFLIBNET.
10. What is gene cloning ?



SECTION – B

Answer **any 8** questions. **Each** question carries **2** marks. (Answer **not** to exceed **one** paragraph) **(2×8 = 16 Marks)**

11. Give the name and qualities of a well known good transgenic plant.
12. Write about traditional food processing.
13. What is standard deviation ?
14. Write about scope of biotechnology in environmental protection.
15. Explain the need for scientific research.
16. Write a short note on significance of genetically modified Livestock.
17. Mention how IT can be utilized in commerce.
18. Write a short note on report writing.
19. Differentiate hardware and software.
20. Explain security issues found in cyber world.
21. Write a short note on marketing of biotechnology products.
22. Write a note on Google scholar.

SECTION – C

Answer **any 6** questions. **Each** question carries **4** marks. (Answer **not** to exceed **120** words) **(4×6 = 24 Marks)**

23. Give an account on any two educational software.
24. What is a hypothesis ? Explain hypothesis formulation.
25. Give a short note on major biotechnology institutes in India.
26. Write about Good Laboratory practices for students.



27. Explain central tendency with suitable examples.
28. Write a note on types of data and methods of data collection.
29. Write a note on role of IT in healthcare.
30. What is GMO ? Write about ethical and social issues associated with it.
31. Write a note on operating systems.

SECTION – D

Answer **any 2** questions. **Each** question carries **15** marks. (Answer **not** to exceed **three** pages) **(2×15 =30 Marks)**

32. Write about scope of biotechnology in medicine and forensic science.
 33. Give an account on importance of IT in teaching and learning.
 34. What is biostatistics ? Write a note on graphical and diagrammatic representation of data. How is it significant in biological investigations ?
 35. What is Genetic Engineering ? Explain how it can be used for improvement of agriculture.
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