



22100321

QP CODE: 22100321

Reg No :

Name :

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS,

JANUARY 2022

Fifth Semester

**CORE COURSE - BO5CRT06 - RESEARCH METHODOLOGY, BIOPHYSICS AND
BIOSTATISTICS**

Common to B.Sc Botany Model I, B.Sc Botany Model II Environmental Monitoring And
Management, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II Horticulture and
Nursery Management & B.Sc Botany Model II Plant Biotechnology

2017 Admission Onwards

965CF388

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Mention any one criteria of good research?
2. Define INFLIBNET.
3. What is line chart?
4. What is presentation software?
5. What is Open Office?
6. What is google scholar?
7. What is radiation biophysics?
8. What is rpm?
9. Name any two solvents used in column chromatography.
10. Name a dye used in electrophoresis.
11. What is a sample in an experiment?
12. What is frequency table?

(10×1=10)





Part B

Answer any **six** questions.

Each question carries **5** marks.

13. What do you mean by research? Explain its significance in modern times.
14. Differentiate between research paper and review article.
15. Write a short note on the use of statistical tools in MS-Excel.
16. Write a short note on Scitable.
17. Define resolving power of a microscope.
18. Explain the principle and working of paper chromatography.
19. What is the principle behind pH meter?
20. Define mean. Explain with example.
21. Discuss various steps in the procedure of testing the hypothesis.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Briefly mention the steps involved in a research programme.
23. What are editing tools and formatting tools? Explain the use and importance of these tools in word processing.
24. Explain the principle and working of electron microscope.
25. Briefly explain Distribution patterns. What are the different types of distribution patterns you have studied.

(2×10=20)

