



QP CODE: 21101869



Reg No :

Name :

B.Sc DEGREE (CBCS) SPECIAL SUPPLEMENTARY EXAMINATION, JULY 2021

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

2018 Admission Only

2E3A212E

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. What is the aim of research in education?
2. What is control in an experiment ?
3. What is pie chart?
4. What is LibreOffice?
5. What are meta search engines?
6. Give the names of any two educational sites related to biological science studied by you.
7. Define complex system biophysics.
8. What is the use of condenser in a compound microscope?
9. What is RCF?
10. Define iso-electric point.
11. What is biometry?
12. Who proposed Chi-square first ?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Elaborate on "significance of research".





14. Briefly explain the sources of review of literature.
15. Briefly describe formatting tools of MS-Word.
16. How to prepare a bar diagram using MS-Excel?
17. Explain the application of electron microscope .
18. Mention about different kinds of centrifuge.
19. Explain the working of column chromatography?
20. Briefly describe the different methods of sampling
21. Briefly describe the merits and limitations of sampling.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Describe the layout of a research paper.
23. Explain the steps involved in the preparation of MS-PowerPoint.
24. Mention the principle, working and application of pH meter.
25. What do you mean by presentation of data? Describe various methods of presenting data collected by investigators?

(2×10=20)

