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QP CODE: 19102723
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Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

**Core Course - BO5CRT06 - RESEARCH METHODOLOGY, BIOPHYSICS AND
BIOSTATISTICS**

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

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Maximum Marks: 60

Time: 3 Hours

Part A

Answer any ten questions.

Each question carries 1 mark.

1. What is the most important step in research?
2. What is impact factor?
3. What is 'save as' option in MS- Windows?
4. Name the shortcut key for 'cut' in MS-Word.
5. Name the extension of a MS-Excel document.
6. Name the extension of a MS-PowerPoint document.
7. Define resolution of a microscope.
8. In which microscope lenses are made up of electromagnets
9. What is chromoplate?
10. What is the most commonly used reference electrode in pH meter?
11. Define parameter.
12. Formula to calculate median for unordered data.

(10×1=10)



Part B

Answer any six questions.

Each question carries 5 marks.

13. Briefly mention the role and importance of Review of literature in Research.
14. List the principles of experimental designs.
15. Comment on meta search engines.
16. Write a short note on Educational sites related to biological science.
17. Discuss the scope of biomedical instrumentation .
18. Discuss about the components of a colorimeter.
19. Briefly explain the different types of chromatography you have studied.
20. Differentiate bar diagram and pie diagram.
21. Comment on Chi-square test .

(6×5=30)

Part C

Answer any two questions.

Each question carries 10 marks.

22. Discuss " Importance of research design".
23. Briefly describe the Open source and free alternatives to MS Office.
24. Comment on the structure and working of PAGE apparatus with the help of illustration .
25. What is meant by distribution patterns ? Explain the different types of distribution patterns you have studied.

(2×10=20)