

B. SC. DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019**(2016 Admission Supplementary)****SEMESTER V - CORE COURSE (BOTANY)****BO5B08TB - RESEARCH METHODOLOGY AND STATISTICS****Time : 3 Hours****Maximum Marks : 60****Part A****I. Answer all questions. Each question carries 1 marks****(5x1=5)**

1. What is meant by review of literature?
2. Explain magnification.
3. Write notes on application software
4. Describe Histogram.
5. Define frequency distribution.

Part B**II. Answer any Five questions. Each question carries 2 marks****(5x2=10)**

6. What are the different types of research?
7. Explain the concept of research.
8. What is magnifying power of a microscope?
9. Explain the organisation of a computer.
10. Write an explanatory note on language processors.
11. Describe stratified and systematic sampling
12. Explain the characteristic features of frequency distribution.
13. Explain statistical hypothesis.

Part C**III. Answer any Five questions. Each question carries 5 marks****(5x5=25)**

14. Classify research based on purpose and methods adopted.
15. Write a brief account on electron microscope.
16. What is a colorimeter? What is it used for?
17. Describe the functional components of a computer.
18. Explain different types of restricted random sampling.
19. Explain the various types of frequency distribution graphs.
20. Write the formula for calculating median of a continuous frequency distribution.
21. Describe level of significance.

Part D**IV. Answer any Two questions. Each question carries 10 marks****(2x10=20)**

22. Describe the structure of a thesis.
23. Explain the principle of chromatographic separation of compounds. Describe different types of chromatographic techniques.
24. Explain various types of frequency distribution drawings .
25. Write an essay on theories and application of probability.