

FACULTY OF SCIENCE

M.Sc. I-Semester Examination, December 2013

Subject: MICROBIOLOGY

Paper – III : Biometry and Computers

Time: 3 Hours

Max.Marks: 80

Note: Answer all questions from Part-A and Part-B. Each question carries 4 marks in Part-A and 12 marks in Part-B.

PART – A (8X4 = 32 Marks)
[Short Answer Type]

1. Explain classical definition of probability.
2. Distinguish between Correlation and Regression
3. Briefly discuss about F test.
4. Explain the large sample test procedure for single mean.
5. Difference between Hardware and Software.
6. What is internet? Write a note on its use in sharing knowledge.
7. Formatting features in MS-Word.
8. Write about three statistical functions in MS-Excel.

PART – B (4x12 = 48 Marks)
[Essay Answer Type]

- 9.(a) Explain various measures of dispersion and discuss their merits and demerits.
OR
(b) Explain briefly about the important role of probability distributions in Biometry.
- 10.(a) What is sampling? Explain different sampling procedures used in biological research.
OR
(b) What is ANOVA? Briefly discuss about one way and two way analysis of variance with an example.
- 11.(a) Explain various input and output devices of computer.
OR
(b) In the context of Windows 95, explain:
(i) GUI (ii) Desktop and Icons (iii) Task bar
- 12.(a) Discuss the following features in MS Word:
(i) Table Creation (ii) Editing and Sorting (iii) Importing Graphics.
OR
(b) How is an electronic spreadsheet superior to a paper spread sheet? Explain briefly.
