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.

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