



Code No. : 071

FACULTY OF SCIENCE
M.Sc. I Semester Examination, Nov./Dec. 2012
MICROBIOLOGY
Paper – III : Biometry and Computers

Time: 3 Hours]

[Max. Marks: 80

Note : Answer *all* the questions.

Each question carries **4** marks on Section – **A** and
12 marks on Section – **B**.

SECTION – A (8×4=32 Marks)
(Short Answer Type)

1. Explain Biometry and its applications.
2. Binomial distribution.
3. Explain different steps involved in testing of hypothesis.
4. Briefly discuss about χ^2 test.
5. Explain the difference between RAM and ROM.
6. Distinguish between DOS and Windows 95.
7. Discuss about the table creation feature in MS-Word.
8. Explain how to create a graph using MS - Excel.

SECTION – B (4×12=48 Marks)
(Essay Answer Type)

9. a) Explain different measures of Central tendency with examples and Discuss their merits and demerits.

OR

- b) Discuss about linear regression and its usefulness in biological research giving examples.



10. a) What is analysis of variance ? Briefly discuss about one way analysis of variance with an example.

OR

b) Explain the difference between t-test for difference of means and paired t-test. Also explain t-test for difference of means procedure.

11. a) In Windows-95, explain :

- i) Creating a file
- ii) Copying of files
- iii) Moving and searching of files and folders and
- iv) Creating shortcuts of files.

OR

b) Discuss the following DOS commands with examples :

- i) COPY
- ii) MD
- iii) REN
- iv) DATE AND TIME
- v) DIR

12. a) Discuss about advantages of word processing. Also briefly explain the

- i) Checking spelling and grammar feature and
- ii) Editing feature in MS Word.

OR

b) In spreadsheet application, list out

- i) Various graphic facilities
 - ii) Categories of functions and
- illustrate any two features in each of the above parts.