Code No. 5039

FACULTY OF SCIENCE

B.Sc. I – Year Examination, March / April 2015

Subject: Microbiology

Paper – I

Introductory Microbiology

Time: 3 Hours **Max.Marks: 100**

Note: Answer All questions from Part – A & B.

PART – A (8x5 = 40 Marks)
[Short Answer Type]

1 Define microorganism

2 Hanging drop method

3 Effect of UV rays on microbes

4 Disinfection

5 Carl Woese

6 Prokaryotic cell

7 Spingolipids

8 Secondary structure of protein

PART – B (4x15 = 60 Marks)
[Essay Answer Type]

9 a) Write on the Gram's staining and its importance.

OR

b) What is a micrometer and explain its uses in microbiology.

10 a) Explain different methods used for preservation of microbial cultures.

OR

b) Write on the physical methods of sterilization.

11 a) Write on the general characters of fungi.

OR

b) Explain the general characters of archaebacteria and cyanobacteria.

12 a) Write on the principle and application of paper chromatography.

OR

b) Explain the general characters of nucleic acids.

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