

Code No. : **8016**

FACULTY OF SCIENCE
B.Sc. I Year Examination, March/April 2012
MICROBIOLOGY
(Paper – I) (Introductory Microbiology)

Time: 3 Hours]

[Max. Marks: 100

Note : Answer all questions from Section A and B.

SECTION – A
(Short Answer Type)

(8×5=40 Marks)

1. Scanning electron microscope
2. Louis Pasteur
3. Laminar air flow cabinet
4. Phenol coefficient
5. Structure of HIV
6. Microalgae
7. Triglycerides .
8. Paper chromatography.

SECTION – B
(Essay Answer Type)

(4×15=60 Marks)

9. a) Write on the importance and application of microbiology.
 OR
 b) Explain the principle and working of phase contrast microscope.
10. a) Write on different methods of isolating microbial pure cultures.
 OR
 b) Explain physical methods of sterilization.
11. a) Describe the structure of eukaryotic cell with neat diagram.
 OR
 b) Write on the general characters of viruses.
12. a) What are biomolecules ? Write on the general characters of carbohydrates.
 OR
 b) Explain the general characters of amino acids and proteins for their importance.