



Code No. : **069**

**FACULTY OF SCIENCE**  
**M.Sc. I Semester Examination, Nov./Dec. 2012**  
**MICROBIOLOGY**  
**Paper – I (General Microbiology)**

Time: 3 Hours]

[Max. Marks: 80

**Note:** Answer *all* questions.

**SECTION – A**

**(8×4=32 Marks)**

(Short Answer Type)

1. Robert Koch
2. Bacterial Hagellum
3. Enrichment culture
4. Deep freezing
5. Simple staining
6. Chlamydias
7. Heterocysts
8. Parasexuality.

**SECTION – B**

**(4×12=48 Marks)**

Essay Answer Type.

9. a) Explain the organisation and functions of cellular organelles in eukaryotic organisms.

OR

- b) Discuss the principle and working of electron microscope.



10. a) Describe the physical methods of sterilization.

OR

b) Write a critical account on the advantages and disadvantages of lyophilization.

11. a) Discuss the ecological and biochemical identification methods of bacteria.

OR

b) Explain the general characters and importance of mycoplasma.

12. a) Write a brief note on the products of algae and their importance.

OR

b) Discuss the classification of fungi.

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