

Reg. No.

--	--	--	--	--	--	--	--	--	--



**MBH 402**

**I Semester M.Sc. Degree Examination, December 2018**  
**(CBCS)**  
**MICROBIOLOGY**  
**Bacteriology**

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following :

**(3×10=30)**

- 1) Describe the morphology and ultra-structure of a bacterial cell.
- 2) Explain the general characteristics, classification and economic importance of Cyanobacteria.
- 3) Give a detailed note on mycoplasm.
- 4) Describe the different factors affecting microbial growth.
- 5) Write an account on PGPR.

II. Write notes on **any five** of the following :

**(5×5=25)**

- 6) Intracytoplasmic inclusions.
- 7) Berge's manual of systematic bacteriology.
- 8) Archaeobacteria.
- 9) Continuous and synchronous cultures.
- 10) Differential staining.
- 11) Importance of bacteria in the pharmaceutical industry.
- 12) Bioremediation and bioleaching.
- 13) Endospores and exospores.

P.T.O.



III. Write short notes on **any five** of the following :

**(5×3=15)**

- 14) Plasmids.
  - 15) Carboxysomes.
  - 16) Nuclear staining.
  - 17) Actinomycetes.
  - 18) Binary fission.
  - 19) Negative staining.
  - 20) Vaccines.
  - 21) *Bacillus thuringiensis*.
-