



M 26457

Reg. No. :

Name :

**I Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)
Examination, November 2014
(2013 and Earlier Admn.)
BOTANY**

Paper BII – : General Microbiology, Mycology and Plant Pathology

Time: 3 Hours

Max. Marks : 70

Instruction : All questions are compulsory.

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

(2×10=20)

- 1) Give an account on nutrition of Bacteria.
- 2) Give a general account on design and application of Prioreactor.
- 3) Explain the role of fungi in degradation of plant material.
- 4) Explain in detail the etiology and control of any two diseases which you have studied.

II. Answer **any one** of the following :

(1×10=10)

- 5) Give an account on the production of an antibiotic that you have studied.
- 6) With suitable examples describe how fungi deteriorate textiles paper and plastics.

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

(3×5=15)

- 7) Bacteriological media.
- 8) Structure of Bacteriophage.
- 9) Aquatic fungi.
- 10) Biological control of Insects.
- 11) Atmospheric Pollutants.

P.T.O.



IV. Answer **any five** of the following :

(5x3=15)

- 12) Bacterial genome.
- 13) Transformation.
- 14) Actinomycete.
- 15) Sexual incompatibility.
- 16) Lichens.
- 17) Polyporus.
- 18) Rust of wheat.
- 19) Toxic residues in food.

V. Answer **any five** of the following :

(5x2=10)

- 20) Agrobacterium.
- 21) Prion.
- 22) Proliferation of sporangia.
- 23) Perithecium.
- 24) Tylosis.
- 25) Capsule.
- 26) Endomycorrhizae.
- 27) Appressorium.

(3x2=6)

III. Answer any three of the following

- 7) Bacteriological media.
- 8) Starch-iodine-bacteriological.
- 9) Pestigation.
- 10) Microbiological control of insects.
- 11) Atmospheric Pollution.

r.t.o.