

**[Time: 2 Hours]**

**[Max. Marks:40]**

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) Draw neat and well labelled diagram whenever necessary.

**Q1** Define the term micrometry & Describe in details its principles, working and Uses **10**

**OR**

Describe in brief

- (a) compound Microscope  
(b) Sterilisation of glassware

**Q2** What are systemic fungicide? add a note on Benomyl. **10**

OR

Explain in brief

- (a) Agrosan GN  
(b) Nematicides

**Q3 Write short Notes on (Any two)** **10**

- (a) BT cotton  
(b) Mist blower  
(c) Atrazine

**Q4 Multiple choice question** **10**

- 1) The most common stain used in Gram Staining is
  - a) crystal violet and methylene blue
  - b) crystal violet and safranin
  - c) crystal violet carbon fuchsine
  - d) safranin and Methylene blue.
- 2) Which of the following is a common Use of Trichoderma in agriculture?
  - a) Biological control of root rot
  - b) fixation of nitrogen in legumes
  - c) production of organic pesticides
  - d) weed control in crops.
- 3) Gram staining was developed in \_\_\_\_\_
  - a) 1882
  - b) 1884
  - c) 1885
  - d) 1883