

Q.P. Code : 10659

[Time: Three Hours]

[Marks:100]

Please check whether you have got the right question paper.

- N.B: 1. All Questions are compulsory
2. Figures to the right indicates full Marks
3. Draw neat & labelled diagram wherever necessary.

- Q. 1 Attempt any two (20)**
- What is biodeterioration? Explain biodeterioration of Library material in detail.
 - Define aero microbiology. Explain its role in medical Science.
 - Describe various aero microbiological techniques used for air sampling.
- Q. 2 Attempt any two (20)**
- Enumerate the mode of asexual reproduction in *Oedogonium*.
 - Discuss the plant body of *Chara* & add a note on its Systematic position.
 - Explain the asexual reproduction in *Fusarium*. Add a note on its systematic position.
- Q. 3 Attempt any two (20)**
- Describe the sexual reproduction in *Albugo*.
 - Discuss the various chemical control methods of Plant diseases.
 - Describe the causative organisms, symptoms and disease cycle of Wilt of pigeon pea
- Q. 4 Attempt any two (20)**
- Discuss the structure of sporophyte of *Pellia*.
 - Describe the evolution of sporophyte in bryophytes.
 - Explain the structure of antheridiophore of *Marchantia*
- Q. 5 Attempt any four (20)**
- Microbial components of air
 - Tetrasporophyte in *Polysiphonia*
 - Ganoderma*
 - Systematic position of *Xylaria*
 - Gemma cup
 - Economic importance of bryophytes.
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