

**BACHELOR OF SCIENCE (CBCS-2018 COURSE)**

**T. Y. B. Sc. Sem-V : WINTER- 2022**

**SUBJECT : BOTANY : AEROBIOLOGY**

Day : Monday

Time : 02:00 PM-05:00 PM

Date : 19-12-2022

**W-18452-2022**

Max. Marks : 60

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
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**Q.1** Answer **ANY TWO** of the following: (12)

- a) Comment on statistical analysis of aeromicrobiota.
- b) Write note on utility of extramural sampling.
- c) Give scientific contribution of Prof. P.H. Gregory.

**Q.2** Answer **ANY TWO** of the following: (12)

- a) Describe principles of aerobiology
- b) Give general account of house dust mites.
- c) Write any two metrological parameters of an aerospora.

**Q.3** Answer **ANY TWO** of the following: (12)

- a) What is aerospora ? Describe vertical distribution of aerospore.
- b) Define allergy. Write note on skin diseases of human.
- c) Write in brief day on night spora.

**Q.4** Answer **ANY THREE** of the following: (12)

- a) Explain concept of biodegradation with reference to airborne microbes.
- b) What is sampling? Give principles of air sampling.
- c) Give in brief progress ar Aerobiology in India.
- d) Write note on types of house dust mites.

**Q.5** Answer **ANY FOUR** of the following: (12)

- a) Give identification methods of analysis of aerospora.
- b) Explain volumetric Tilak air sampler.
- c) Comment on quantitative air sampling.
- d) Give importance of Aerobiology.
- e) Explain Rotorod sampler.
- f) Give concept of aerobio pollutants.

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