

BACHELOR OF SCIENCE (CBCS - 2016 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-14958-2022

Max. Marks : 60

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 in 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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