

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
T. Y. B. Sc. Sem-V : WINTER :- 2021
SUBJECT: BOTANY : AEROBIOLOGY

Day : Tuesday
Date 1/2/2022

W-18452-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) All questions carry **EQUAL** marks.
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Q.1 Attempt **ANY TWO** of the following : **(12)**

- a) Importance of aerobiology.
- b) What is air sampling? Give principles of sampling.
- c) Principles of plant disease forecasting.

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

- a) Define Allergy? Write note on skin diseases on human beings.
- b) Give scientific contribution of Prof. P.H.Gregory.
- c) Give general account of house dust mites.

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

- a) Describe utility of extramural sampling.
- b) Describe interdisciplinary approach of aerobiology.
- c) Write any two meteorological parameters on aerospora.

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

- a) Write note on Fungal spores as bioindicators.
- b) Write note on principles of plant disease forecasting.
- c) Identification methods of analysis of aerospora.
- d) Comment on statistical analysis of aeromicrobiota.

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

- a) Day and night aerospora
- b) Pollen allergy and human health
- c) Vertical distribution of aerospora
- d) Construction and working of Rotorod air sampler
- e) Role of microbes in biodegradation
