

T.Y.B.SC. SEM – V (2014 Course) : WINTER - 2018
SUBJECT: BOTANY OPTIONAL: a) AEROBIOLOGY (B -56)

Day: Saturday
Date: 20/10/2018

W-2018-0852

Time 12.00 NOON TO 02.00 PM
Max. Marks: 40

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
-

Q.1 Attempt any **TWO** of the following: **(10)**

- a) Define aerobiology and explain its multidisciplinary approach.
- b) Describe intramural sampling method.
- c) Give an account of qualitative method of sampling.

Q.2 Attempt any **TWO** of the following: **(10)**

- a) Explain working of volumetric Tilak air sampler and give its applications.
- b) Comment on pollen and mites as air borne material.
- c) Give principles of plant disease forecasting.

Q.3 Attempt any **TWO** of the following: **(10)**

- a) Explain in brief statistical analysis of aeromicrobiota.
- b) Describe impact of aerobiopollutant on human beings.
- c) Explain scientific contribution of Prof. P. H. Gregory in the field of aerobiology.

Q.4 Attempt any **FIVE** of the following: **(10)**

- a) Biodegradation.
- b) Day and night aerospora.
- c) Allergy and skin diseases.
- d) K.C. Mehta's scientific contribution.
- e) Anderson air sampler.
- f) Scope of aerobiology.
- g) Diurnal periodicity.

* * * *