T.Y.B.SC. SEM – V (2014 COURSE) : SUMMER - 2018

SUBJECT : BOTANY : OPTIONAL : AEROBIOLOGY (B – 56)

Day : **Monday** Time : **03.00 PM TO 05.00 PM**

Date : **23/04/2018** Max. Marks : 40

S-2018-0759

N.B.:

1) All questions are **COMPULSORY**.

2) Figures to the right indicate **FULL** marks.

3) Draw neat and labeled diagrams **WHEREVER** necessary.

Q.1 Attempt **ANY TWO** of the following: **[10]**

a) Describe principles of plant disease forecasting with suitable example.

b) Explain concept of intramural and extramural sampling.

c) Define aerobiology. Give its scope and importance.

Q.2 Attempt **ANY TWO** of the following: **[10]**

a) Give scientific contribution and Prof. K.C. Meheta in the field of aerobiology.

b) Explain concept of aerobiopollutants.

c) Give working and uses of Tilak air sampler.

Q.3 Attempt **ANY TWO** of the following: **[10]**

a) Give an account of pollens as a airbone material.

b) Describe qualitative methods of samplilng.

c) Explain impact of aerobiopollutants on human.

Q.4 Write note on **ANY FIVE** of the following: **[10]**

a) Biodegradation

b) Humidity as a meterological parameter

c) Analysis method of vertical distribution of aerospora

d) Aeromicrobiota

e) House dust mites

f) Rotorod air sampler

g) Day and night aerospora

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