

**T.Y.B.SC. SEM – V (2014 COURSE) : WINTER - 2017**  
**SUBJECT: BOTANY OPTIONAL: a) AEROBIOLOGY (B -56)**

Day: **Friday**  
Date: **03/11/2017**

**W-2017-0667**

Time: **3:00 P.M. To 5:00 P.M.**  
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) Give an account of quantitative methods of sampling.
- b) Describe extramural sampling method.
- c) Define aerobiology and gives its scope and importance.

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

- a) Give an account of Rotorod air sampler.
- b) Comment on Fungi as air borne material.
- c) Explain the diseases forecasting plays significant role in aerobiology.

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

- a) Explain vertical and horizontal distribution analysis of aerospora.
- b) Comment on human health hazards of house dust mites.
- c) Give contribution of Prof. K.C. Mehta.

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

- a) Diurnal periodicity.
- b) Humidity and temperature as a meteorological parameters.
- c) Aeromicrobiota.
- d) Allergy and skin diseases.
- e) Present status of aerobiology in the science research.
- f) Model of plant disease forecasting in aerobiology.
- g) Anderson air sampler.

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