

**T.Y.B.SC. SEM – V (2014 Course) : WINTER - 2018**  
**SUBJECT : PLANT PATHOLOGY AND PLANT PROTECTION (B-53)**

Day : Friday  
Date : 12/10/2018

**W-2018-0837**

Time : 12.00 NOON TO 02.00 PM  
Max. Marks : 40

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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**Q. 1** Answer **ANY TWO** of the following: **(10)**

- a) Describe symptom and type of fungal diseases.
- b) Describe laboratory diagnosis of plant diseases.
- c) Explain role of temperature and relative humidity in determining the extent of infection of diseases.

**Q. 2** Answer **ANY TWO** of the following: **(10)**

- a) Give symptoms, causal organism and control measures of Tikka disease of ground nut.
- b) Give causes and factors of epidemic diseases.
- c) Comment on crop rotation and modern cultural practices for eradication of plant diseases.

**Q. 3** Answer **ANY TWO** of the following: **(10)**

- a) Describe the concept of molecular diagnosis.
- b) Write role of genes and specific molecules in disease development.
- c) Write note of little leaf disease of Brinjal.

**Q. 4** Write short note on **ANY FIVE** of the following: **(10)**

- a) Types of Mycoplasma diseases.
- b) Control measures of plant virus diseases.
- c) Principle of spread of diseases.
- d) Plant disease clinic.
- e) Morphological structure and defense mechanisms.
- f) Bio pesticides.
- g) Chemical control used for eradication of diseases.

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