

T.Y.B.SC. SEM – V (2014 COURSE) : SUMMER - 2018
SUBJECT: BOTANY : PLANT PATHOLOGY & PLANT PROTECTION

Day: **Monday**
Date: **16/04/2018**

S-2018-0744

Time: **03.00 PM TO 05.00 PM**
Max Marks. 40

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagrams **WHEREVER** necessary
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Q.1 Attempt any **TWO** of the following **(10)**

- a) Give classification of plant diseases based on symptoms.
- b) Describe principles of infection and development of plant diseases.
- c) Explain the role of environmental factors in determining the penetration and infection of inoculum

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

- a) What is epidemiology? Explain in brief its concept.
- b) Give name of the causal organism and disease cycle of downy mildew of grapes.
- c) Comment on exclusion and eradication in plant protection.

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

- a) Comment on concept of molecular diagnosis.
- b) Give applications of information technology in plant pathology
- c) Explain few important mile stones in the development of plant pathology.

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

- a) Comment on Kotch postulates
- b) Tikka disease of ground nut
- c) Plant disease clinic
- d) IMP system
- e) Biopesticides
- f) Quarantine laws
- g) Crop - rotation

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