

[This question paper contains 2 printed pages.]

4650

Your Roll No.

B.Sc. Prog./II

AS

ACP-201 – Agricultural Botany,
Plant Pathology and Weeds

(NC – Admissions of 2005 & onwards)

Time : 3 Hours

Maximum Marks : 75

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

Attempt any five questions.

All questions carry equal marks.

1. Explain any **three** of the following :

(a) Senescence

(b) Crop simulations and modeling

(c) Dry matter partitioning

(d) Concept of phytotronics

(e) Vernalization

(f) Phytochrome and flowering (3×5=15)

2. Discuss the role of any **Two** :

(a) Gibberellins in enzyme induction

(b) Cytokinins and leaf senescence

P.T.O.

- (c) Growth retardants in Lodging
- (d) Ethylene in Fruit ripening $(7\frac{1}{2} \times 2 = 15)$
3. Discuss causal organism, symptoms and control of any fungal disease studied by you. (15)
4. Write notes on the following diseases
- (a) Citrus canker
- (b) Tobacco mosaic $(7\frac{1}{2} \times 2 = 15)$
5. Explain the term dormancy. Discuss mechanical and physiological role of seed coat in imposing seed dormancy. (15)
6. Discuss in detail the mode of action of herbicides. (15)
7. Discuss the following :
- (a) Translocation of herbicides
- (b) Integrated pest managements
- (c) *Anagalis* as weed $(3 \times 5 = 15)$
8. Differentiate between :
- (a) Soil and foliage based herbicides
- (b) Activity and selectivity of herbicides $(7\frac{1}{2} \times 2 = 15)$