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5218

Your Roll No

B.Sc. Prog./II

J

ACP-201 – AGRICULTURAL BOTANY

(Plant Pathology and Weeds)

(N.C. – Admissions of 2005 and 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 What is the concept of Integrated Pest Management ?
Discuss its various components in detail (15)
- 2 Explain internal and external factors that regulate the
process of senescence Also discuss the physiological
significance of the process (15)
- 3 Give an account of Causal organism symptomatology
and control measures of the two bacterial diseases
studied by you (15)
- 4 Differentiate between the following
(i) Rusts & Smut
(ii) Selective & non selective herbicides

P T O

(iii) Photoperiodism & Vernalization

(iv) Photoinduction & Photoperception

(v) Climacteric and non-climacteric fruits

(3×5=15)

5 Write short notes on

(i) Formulation of herbicides

(ii) Seed Vigour

(iii) White rust of Crucifers

(5×3=15)

6 Define the following giving examples

(i) Pathogen

(ii) Growth retardant

(iii) Parthenocarpy

(iv) Herbicide

(v) Dormancy

(vi) Bolting

(vii) Apical dominance

(viii) Heteroecism

(ix) Phytochrome

(x) Weeds

(15)

7 Comment on the following

(i) Phytochrome & flowering

(ii) Seed dormancy

(iii) Concept of phototropism

(5×3=15)

8 Describe briefly about herbicides classification and their mode of action (15)