

6. Discuss the following type of formulations in brief;
(Any Five)

- (i) Suspension Concentrate
- (ii) Granules
- (iii) Aerosols
- (iv) Wettable powders
- (v) Emulsified concentrates
- (vi) Fumigants
- (vii) Poison baits

(3×5)

(200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4005 **H**

Unique Paper Code : 2172582402

Name of the Paper : DSC : Fundamentals of
Agrochemistry

Name of the Course : **B. Sc. (Prog.) Applied Life
Science With Agro Chemical
& Pest Management**

Semester : IV

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** questions and each question carry equal mark.

1. Discuss the following :

(a) Classification of pesticides on the basis of mode of entry and toxicity.

(b) Mode of action of aromatic carbamates and Triazines with suitable examples.

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(c) Structure-activity relationship of Dicamba & Dalapon. (5×3)

2. Depict the structural formula for the following :

(a) 2,4-D & Asulam

(b) Dicamba & dichlorobenzil

(c) Barban & Dalapon

(d) Simazine & Bromacil

(e) Monuron & paraquat (3×5)

3. Discuss the structure, mode of action and uses of the following : (Any three)

(a) Copper and mercury derivatives

(b) Dithiocarbamates : Thiram,

(c) Dinitro phenols : 2,4-Dinitro o-Cresol (DNOC)

(d) Quinines : Dichlone

(e) Benzimidazoles : Benomyl (5×3)

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4. Comment on human toxicity of the following : (Any five)

(a) Carbaryl

(b) Malathion

(c) DDT

(d) Metalaxyl

(e) Thiophanates

(f) Nicotin

(g) Pyrethrin-I (3×5)

5. What happen when ?

(a) Glyphosate used in soil containing heavy metals.

(b) Chlorosulfuron is used in soil with low pH.

(c) Isoproturon is hydrolyzed.

(d) Contact herbicides are used as foliar spray.

(e) Paraquat type herbicides are used in soil. (3×5)

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