

8154

5. (a) Give a brief account on Pre and Post-construction termite proofing of building. 8
(b) Write a brief note organic methods of domestic pest control. 7
6. Write short notes on any **three** of the following. 15
(any 3) :
(a) Teratogenic effects of insecticides
(b) Appliances of domestic pest management
(c) I, F. W Insecticide
(d) Phase-II pathway of insecticides metabolism

This question paper contains 4 printed pages]

Your Roll No. :

Sl. No. of Q. Paper : **8154** **I**

Unique Paper Code : 2233580028

Name of the Paper : DSC-Toxicology of Pests

Name of the Course : **B.Sc.(P) ALS with
Agrochemical Pest
Management (NEP-
UGCF)**

Semester : VIII

Time : 2 Hours **Maximum Marks : 60**

Instructions for Candidates :

- (a) Write your Roll No. on the top immediately on receipt of this question paper.
(b) Attempt **four** questions in all including Question No.1 which is compulsory.
(c) **All** questions carry equal marks. **All** parts of a question should be answered together.

1. (a) Define (any 6) : 6
(i) Teratogen
(ii) Insecticide Compatibility

- (iii) Lethal Dose-50
- (iv) Synergism
- (v) Antagonism
- (vi) Pesticide registration
- (vii) Bioremediation

(b) Match the following :

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Insecticides

Examples

- | | |
|-----------------------|-----------------|
| (i) Pyrethroid | (a) Lindane |
| (ii) Organochlorine | (b) Carbofuran |
| (iii) Organophosphate | (c) Permethrin |
| (iv) Carbamates | (d) Endosulphan |

(c) Expand the following :

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- (i) IPFT
- (ii) LT50
- (iii) ETL
- (iv) IRAC
- (v) TLC
- (vi) LD50

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(d) Differentiate between the following pairs (any 2) : 4

- (i) Phase-I and Phase-II pathways of insecticide metabolism
- (ii) Carcinogenic and Mutagenic effects of Insecticides

(iii) LC50 and LD50

2. (a) Give a brief account on Pesticide industries and market in India. 8

(b) How can an industry register their new pesticide in India? 7

3. (a) What are the factors that affect the toxicity of insecticide? 8

(b) Explain the synergism, antagonism and potentiation effects of insecticides. 7

4. (a) Give a brief account on selectivity and phytotoxicity of insecticides. 8

(b) Explain the principle and methods of pest management in residential places. 7

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P.T.O.