

Total No. of Questions : 09

CHEMISTRY OF AGROCHEMICALS

Subject Code : BVAG-102-18

M.Code : 75650

Time : 3 Hrs.

Max. Marks : 60

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. **Write short notes on :**
 - a. Insect Repellents and Antifeedants
 - b. Herbicide resistance
 - c. Eutrophication
 - d. Run-off and leaching
 - e. Chemical treatment of seeds
 - f. Surfactants
 - g. Fertilizers
 - h. Contact Agrochemicals
 - i. Agricultural pests
 - j. Integrated Pest Management

SECTION-B

2. What are the precautions required for pre-spray, during spray and post-spray to ensure safer use of pesticide?
3. Classify herbicides on the basis of application time, method of application, their mode of action.
4. What is Biomagnification of agrochemicals in a food web? What is its impact?
5. Use of biorationals for control of insects is safer than chemical control- Comment.
6. What do you understand by Herbicide Resistance? Suggest approaches to delay herbicide resistance.

SECTION-C

7. Discuss in details about Plant growth regulators. Describe their mode of action.
8.
 - a. Write a short note on butachlor.
 - b. What are Pyrethroids and their applications? Give an account of toxicity and degradation of synthetic pyrethroids
9.
 - a. Define weeds. Write a note on classification of weeds.
 - b. Describe various weed management strategies.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.