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Total No. of Questions : 09

B.Voc. Agriculture (2018 Batch) (Sem.-1)

CHEMISTRY OF AGROCHEMICALS

Subject Code : BVAG-102-18

Paper ID : [75650]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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

Q1. Write short notes on :

- a. Pesticides
- b. Systemic insecticides and give an example
- c. Pyrethrum
- d. 2,4-D
- e. Pre-emergence herbicides and give an example
- f. Insect management
- g. Weedicides
- h. Growth regulators
- i. Agrochemical magnification in food chain
- j. Insecticide resistance

SECTION-B

- Q2. Write a note on major classes of fungicides?
- Q3. Write a short note on mode of action of glyphosate. What is the trade name for glyphosate?
- Q4. Write a short note on Synthetic organic insecticides?
- Q5. How broad leaf weeds can be controlled in wheat?
- Q6. a) What are the advantages conferred by use of botanical insecticides.
- b) What are the environmental effects of herbicides?

SECTION-C

- Q7. a) What are the properties and mode of action of pyrethrum?
- b) Compare pyrethrum with synthetic pyrethroids.
- c) Which fungicides can be used to control yellow rust in wheat and stem rot in sugarcane?
- Q8. a) What do you understand by role of plant growth regulators as herbicides?
- b) Give structure and uses of each of carbendazim, benthocarb and atrazine. Classify these agrochemicals and also cite crops in which these could be used.
- Q9. What do you understand by agriculture chemicals? What are the advantages and limitations of their use in agriculture?