Roll No. Total No. of Pages : 02

Total No. of Questions: 18

B.Voc. (Agriculture) (2018 & Onwards) (Sem.-1) CHEMISTRY OF AGROCHEMICALS

Subject Code: BVAG-102-18 M.Code: 75650

Time: 3 Hrs. Max. Marks: 60

## **INSTRUCTIONS TO CANDIDATES:**

- 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**

### Write short notes on:

- 1. Growth retardants
- 2. Contact insecticides and give an example
- 3. Broad-spectrum and narrow-spectrum fungicides
- 4. Insecticide resistance
- 5. Post-emergence herbicides and give an example
- 6. Weedicides
- 7. Agrochemical magnification in food chain
- 8. Synthetic pyrethroids
- 9. Glyphosate
- 10. Benthiocarb

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#### **SECTION-B**

- 11. Write a note on major classes of herbicides.
- 12. Give the structure and uses of 2,4-D, copper oxychloide and captan. What is the mode of action of 2,4-D?
- 13. a) What are plant growth regulators?
  - b) Which fungicides can be used to control the growth of following?

Yellow rust in wheat; Stem rot in sugarcane; Foot rot in basmati rice

- 14. Classify synthetic organic insecticides. Give examples and use of important insecticide in each class.
- 15. How can we control the growth of grass weeds in wheat?

### **SECTION-C**

- 16. a) What are Botanical Insectides? Give examples.
  - b) What is the mode of action of Neem based botanical insecticides?
  - c) Give advantages and limitations of botanical insecticides over chemical insecticides.
- 17. a) How can you improve the efficiency of herbicides?
  - b) What are the properties and mode of action of pyrethrum?
- 18. a) What are the advantages and limitations of use of agriculture chemicals?
  - b) What are the various classes of fungicides?

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.

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