



# उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल )

M.Sc. II<sup>nd</sup> YEAR ASSIGNMENT

Last date of Submission: 15/05/2016

(जमा करने की अन्तिम तिथि: 15/05/2016.)

Course Title: TOXICOLOGY

Year: 2015-16

सत्र- 2015.16

Course Code: ZO-553

Maximum Marks: 40

अधिकतमअंक- 40

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

Briefly discuss the following:

- 1- Explain how is the acetylcholine synthesized?
- 2- How is DDT metabolized in insect?
- 3- Explain the bioaccumulation and biomagnifications?
- 4- What do you understand by cytochrome P-450?
- 5- Give the mode of action of nicotinoids?
- 6- Give the biological Activity and composition of Neem?
- 7- Explain the development of carbamate Insecticides?
- 8- What are the basic processes involved in photo degradation of insecticides?

**Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.**

- 1- Describe the mode of action of organ phosphorus insecticides?
- 2- Elaborate the structure, effect, physical and chemical properties of Necotinoids?
- 3- Describe the Development of carbamate insecticides?
- 4- Explain the major component of Insect mono-oxygenase system?

