

(041240102/446211B)

M.Sc. DEGREE EXAMINATION, APRIL 2018

FOURTH SEMESTER

Branch — Zoology

Paper I — TOXICOLOGY

Time : 3 Hours

Max. Marks : 70

PART - A

Answer FOUR of the following

(Marks : 4 × 5 marks = 20 marks)

1. Toxicity.
2. LC₅₀.
3. Pesticide residues.
4. Detoxification.
5. Biomagnification.
6. Minimata disease.
7. Antidotes.
8. Environmental safety.

PART - B

Answer FOUR of the following.

(Marks : 4 × 12.5 marks = 50 marks)

9. (a) Describe the scope and importance of toxicology with reference to present environmental scenario.

Or

- (b) Write an essay on the classification of pesticides with examples.

10. (a) Discuss the various factors that affect the toxicity of pesticides.

Or

- (b) Explain the mechanism of toxic action of pesticides with suitable examples.

[P.T.O]

11. (a) Describe the mechanism of translocation, storage and excretion of toxicants.

Or

(b) Write about the toxicity of heavy metals mercury and arsenic.

12. (a) Describe the antidotal therapy for different toxicants with examples.

Or

(b) Define tetratogen. Explain the effects of tetratogens on the animals with examples.
