

7242

M. Sc. IInd SEMESTER EXAMINATION, 2019

ZOOLOGY

Paper – II

Environmental Toxicology

Time: Three Hours

Maximum Marks: 80

PART – A (खण्ड – अ)

[Marks: 20]

Answer all questions (50 words each).

All questions carry equal marks.

सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न का उत्तर 50 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – B (खण्ड – ब)

[Marks: 40]

Answer five questions (250 words each),

selecting one from each unit. All questions carry equal marks.

प्रत्येक इकाई से एक-एक प्रश्न चुनते हुए, कुल पाँच प्रश्न कीजिए।

प्रत्येक प्रश्न का उत्तर 250 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – C (खण्ड – स)

[Marks: 20]

Answer any two questions (300 words each).

All questions carry equal marks.

कोई दो प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 300 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – A

- Q.1 (i) Give two examples of Agro-chemicals.
(ii) What are the most commonly used Pesticides?
(iii) What is the difference between toxins and toxicants?
(iv) What are the principal of toxicology?
(v) Write function of Bio-indicators with example.
(vi) Define bioaccumulation.
(vii) What is plasma concentration of a drug?
(viii) What is absorption in toxicology?
(ix) Define Environmental Hazard.
(x) How can we stop environmental issues?

PART – B

UNIT – I

- Q.2 How do pesticides affect humans?
Q.3 Write short notes on :-
(a) Nitrogen deposition
(b) Environmental stress

UNIT – II

- Q.4 Which factor affect the dose in humans?
Q.5 What is GMP, CGMP and GLP?

UNIT – III

- Q.6 Why are biomarker useful?
Q.7 Which organism is most important in biodegradation? Explain.

UNIT – IV

- Q.8 Explain site mechanism.
Q.9 How human body excrete toxicants?

UNIT – V

- Q.10 Write differences between Risk assessment and Risk management.
Q.11 What are four factors that determine toxicity level of impact on humans?

PART – C

- Q.12 Explain Pesticide pollution and their control.
Q.13 Describe different model of bioassay of toxicants.
Q.14 Describe about environmental toxicants.
Q.15 How long does it take for medicine to absorb into your system? Explain.
Q.16 Describe risk monitoring.