Bago University
Department of Zoology
Second Semester Examination, September 2019

Third Year (B.Sc) **Zool.3115**
(Zoology Specialization) **Toxicology**
Answer ALL Questions **Time Allowed: (3) Hours**

I. State TRUE or FALSE to the following statements. **(10 marks)**

1. Toxicological methods are also widely used by industry in product development.
2. Toxicologists are experts on poisons and poisoning.
3. Toxicity is the ability of a chemical agent to cause injury.
4. Xenobiotic is derived from the Greek term *xeno* which means "foreigner".
5. The units used in toxicology are basically the same as those used in medicines.
6. In 1775, Percivall Pott concluded, on the basis of clinical observations.
7. Excess fluorides can cause yellowing of the teeth.
8. Pesticides can be potent neurotoxins.
9. The raising of fish in rice fields has rapidly developed in Myanmar.
10. Atrazine is ubiquitous in surface waters due to its extensive use.

II. Complete the following statements with appropriate words. **(10 marks)**

1. Occupational toxicology deals with ------ found in the workplace.
2. Toxicity to germ cells can cause effects on the developing ------.
3. Natural ------ are chemicals that are naturally produced by living organisms.
4. Most household products are of relatively ------ toxicity.
5. Secondary pollutants are not emitted ------.
6. The emission of toxic fumes into the air causes ------ rain.
7. Cadmium oxide fumes cause ------ irritation and influenza-like symptoms.
8. Suspended matter consists of dust fumes, ------ and smoke.
9. Poisoning from pesticides can travel up the food ------.
10. Pesticides are chemical preparations used to kill ------ or animal pests.

III. Answer ALL questions **(10 marks)**

1. State about the acute exposure and chronic exposure.
2. Write down about forensic toxicology.
3. Describe the types of pesticides.
4. Explain about the increase in agricultural land in sources of soil pollution.
5. List the pollutant found in biomagnification.

IV. Answer ALL questions **(20 marks)**

1. Briefly account on nature of plant toxin.
2. What are the different types of pollution?
3. Describe you know about sources of water pollutions in agriculture.
4. Explain how pesticides enter our bodies.

V. Answer ANY THREE questions **(30 marks)**

1. Explanation about types of dose.
2. Explain about the carbon monoxide poisoning in environmental toxicants.
3. Describe briefly account the pesticides which contaminants the groundwater.
4. Explain about harmful effects of soil pollution.
5. Explain about the effects of pesticides on human health.
6. State the prominent a biotic degradative processes and explain the process due to influences light.

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