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EXAMINATION FOR THE AWARD DEGREE OF BACHELOR OF SCIENCE DEGREE IN ENVIRONMENTAL SCIENCE

ENSC 332: ENVIRONMENTAL RISK ASSESSMENT

STREAMS: ENSC Y3 S2 TIME: 2 HOURS

DAY/DATE: THURSDAY 9/04/2020 8.30 A.M - 10.30 A.M.

INSTRUCTIONS

Answer all Questions in Section A and any other Two questions in Section B.

Do not write anything on the question paper

SECTION A (30 MARKS)

- 1. Just because something is hazardous, it doesn't mean it will cause harm. Substantiate this statement using three relevant examples. [6 Marks]
- 2. Compare and contrast environmental risk assessment and environmental impact assessment. [6 Marks]
- 3. Discuss fault tree analysis as a technique for hazard identification and control.

[6 Marks]

- 4. Explain briefly the three basic questions that environmental risk assessment processes endeavour to answer. [6 Marks]
- 5. Using a diagram, explain the concept of threshold dose in relation to risks associated with exposure to toxins. [6 Marks]

ENSC 332

SECTION B (40 MARKS)

6.	(a) Suppose you are contracted to carry out an environmental risk assessment chemical plant in your home county. Describe the procedure you will follow the assignment.	
	(b) Explain the significance of the exercise you will be carrying out to both the the society at large.	e industry and [8 Marks]
7.	(a) Explain five methods that are used in engaging the public while carrying ou risk assessments.	t environmental [10 Marks]
	(b) Discuss five factors that influence how people perceive environmental risks	.[10 Marks]
8.	(a) Discuss four major principles that guide decision making in environmental assessments.	risk [12 Marks]
	(b) Explain the factors that are considered in the prioritization of risks identificential risk assessments.	ed during [8 Marks]