

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS**E3 – ENVIRONMENTAL MANAGEMENT****October 2025****Note: This examination consists of 5 questions on 1 page.****Please read each question carefully**

<u>Q. No</u>	<u>Time: 3 hours</u>	<u>Marks</u>	
		<u>Value</u>	<u>Earned</u>
1.	Canada needs more pipelines to export oil and gas products to the world (and reduce our dependence on the US). What are the environmental and socioeconomic factors that need to be considered? Please be concise and organized in your answer.	20	
2.	Define the following and explain their relevance to the environment: a) Circular economy b) Microplastics c) Red-listed species d) Black carbon (or ‘soot’) e) Aquifer depletion	25	
3.	Regulation of contaminated sites in Canada is usually based on numerical concentrations of toxic compounds or elements (eg; lead). When samples of soil, water or air contain concentrations of such compounds/elements greater than these concentrations, they are determined to be ‘contaminated’. What are the advantages and limitations of this approach to determining ‘contamination’?	15	
4.	Climate scientists frequently talk about ‘ tipping points ’ for certain parameters. What are they referring to, and what is their relevance to the environment? Give at least one example.	20	
5.	Will your next car be an electric vehicle (EV), a hybrid, or an internal combustion vehicle? Explain your choice and describe the environmental and economic pros and cons of such a decision.	20	
Total Marks:		100	