ASSOCIATION OF CANADA LANDS SURVEYORS - BOARD OF EXAMINERS
WESTERN CANADIAN BOARD OF EXAMINERS FOR LAND SURVEYORS
ATLANTIC PROVINCES BOARD OF EXAMINERS FOR LAND SURVEYORS

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SCHEDULE II / ITEM 5   **October 2003**

LAND INFORMATION SYSTEMS

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Note: This examination consists of _8_ questions on _ 1_ page.   **Marks**

Q. No	Time: 3 hours	Value	Earned
1	Do you think that data is more expensive than software in a LIS? Give your reasons.	13	
2	What do we mean by "designing" and "implementing" a LIS database using GIS software? Support your answers with LIS examples.	12	
3	A GIS, being a piece of software, is never completely reliable. Being a LIS system manager, what preventive measures should you take to minimize the effects of system malfunction, and what should you do before you call the software's support department if a malfunction is suspected?	12	
4	What do we mean by geographic data interchange and metadata standards? Please support your answer with examples.	13	
5	What are the cartographic problems associated with displaying a LIS database at vastly different scales? To what extent can these problems be solved automatically by GIS software?	12	
6	Compare the use of raster and vector data in a LIS database?	13	
7	How do GIS "analytical" functions differ from "retrieval" functions? What are the GIS "analytical" functions that could be used for solving LIS problems? Explain the nature of these functions and give examples on how they could be used in a LIS environment.	13	
8	What are the causes for features from two "paper" maps of the same scale and coverage to not match in position? What can you do to correct or minimize these errors when two such maps are being digitized for input into a LIS database?	12	
	Total Marks:	100	