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   **March 2004**

LAND INFORMATION SYSTEMS

Note: This examination consists of _8_ questions on _1_ page.   **Marks**

Q. No	Time: 3 hours	Value	Earned
1	Describe four methods of collecting spatial data for LIS databases.	12	
2	What is a relational database management system? Explain if a traditional relational database management system can be effectively used to handle LIS data.	13	
3	What is involved in the evaluation, selection, implementation, and maintenance of hardware and software for a LIS?	12	
4	Why do we need to share LIS data? What are the methods available for sharing LIS data, and why do we need standards for this purpose?	13	
5	What is a digital terrain model and how is it created?	13	
6	What is raster data and how is it stored in a computer? Describe two methods of compressing raster data.	12	
7	Describe the process, manual and automated, of converting a paper map to a LIS database with topological structure.	13	
8	What are the components of spatial data quality?	12	
	Total Marks:	100	