

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

SCHEDULE I / ITEM 6

October 2003

MAP PROJECTIONS AND CARTOGRAPHY

Note: This examination consists of 8 questions on 1 page.

Marks

Q.No

Time: 3 hours

Value Earned

1	What is a map projection? What is it used for? Why do different map projections exist?	15	
2	What is a geospatial digital library?	5	
3	In cartography, why is it necessary to know nominal, ordinal, interval and ratio scales? Give examples.	12	
4	Describe the National Topographic System used to index map sheets in Canada. Explain how it is used with regard to different map scales.	15	
5	In numerous books about cartography, you will read that mapping is both a science and an art at the same time. Why?	5	
6	What are metadata? Give examples of 5 metadata with regard to map content.	15	
7	What is map generalization? What is multiple representation? What are they used for? Describe 5 map generalization operators.	20	
8	What is a Geospatial Data Infrastructure? Give one example.	13	
	Total Marks:	100	