

**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 II / ITEM 4
LAND USE PLANNING AND ENVIRONMENTAL MANAGEMENT**

October 2005

Note: This examination consists of 7 questions on 1 page.

Marks

Q. No

Time: 3 hours

Value Earned

1	Various criteria should be considered in order to optimize the choice of a site for industrial development. Discuss such criteria.	15	
2	A residential subdivision is usually equipped with overhead (cable and power supply) streetlighting having an overhead power supply. What are the advantages, if any, of burying these streetlighting facilities?	10	
3	Define the following terms: a) density b) floor area ratio c) city planning commission	15	
4	What relation exists between topography and the installation of sewer systems?	10	
5	What is the recommended walking distance from the following neighborhood facilities to the farthest dwelling? (a) elementary school (b) playground (c) shopping centre (d) cultural centre (e) community Library	10	
6	The estimated total area of a property is 20 hectares. The municipal by-law states that the development of that property should respect a net density of 10 dwelling units per hectare. Considering that the total area for proposed roads would be 22% of the total area of the property and that 10% of the total property should be provided for a park, calculate the potential number of dwelling units.	20	
7	A city planning commission has studied your conceptual plan outlining a planned unit development. A positive recommendation is forwarded to City Council for final approval. City Council refuses to approve your conceptual plan based on the fact that the municipal by-law authorizes only a standard subdivision in that zone. Discuss your reaction and approach in order to convince Council that your concept should be approved.	20	
Total Marks:		100	