

**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**

March 2002

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

Marks

Q.No

Time: 3 hours

Value Earned

1	You have been hired by a municipality in order to suggest a location for an industrial park. Outline the selection criteria to be considered.	15	
2	A residential subdivision is usually equipped with overhead street lighting. What are the advantages, if any, of buried street lighting facilities?	10	
3	Define the following terms: (a) density; (b) cluster design; (c) floor area ratio; (d) buffer zone; (e) 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 each of the following neighborhood facilities to the farthest dwelling in such neighborhood: (a) Elementary school (b) Playground (c) Shopping Center (d) Health Center (e) Indoor cultural Center	10	
6	The total estimated 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.	15	
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.	25	
Total Marks:		100	