

**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**

**October 2003**

**LAND USE PLANNING AND ENVIRONMENTAL MANAGEMENT**

**Note: This examination consists of 10 questions on 2 pages.**

**Marks**

<u>Q.No</u>	<u>Time: 3 hours</u>	<u>Value</u>	<u>Earned</u>
1.	A developer asks you to explain, in writing, the overall procedure and planning steps he should follow in order to develop a 100-hectare parcel of land for residential purposes. Outline your proposal in point form.	15	
2.	Following your oral presentation of a conceptual plan providing for a mobile home park to be located next to an occupied residential community, the citizens appear to be reluctant to your project, having clearly stated this during the public meeting. Since the project had been previously approved in principle by City Council, you organize a second public meeting, following a request by Council, to convince the citizens of the advantages of the project. Discuss the arguments you should bring forward in such a case.	15	
3.	An environmental by-law of your community requires that any urban development for cottages around a lake should optimize the environment. Outline the three most important principles to respect in the planning of such a project.	10	
4.	Define the expression "Site Planning".	5	
5.	As part of the planning process, it is generally useful to prepare a complete schedule of the site data to be gathered. Enumerate such site data in a checklist form.	10	
6.	How could one minimize site construction costs ?	10	
7.	When mountain side urban development is planned, what particular feature should the Planner consider for road alignment and/or slopes, to optimize vehicular circulation ?	10	
8.	Several local road intersections are "Y" shaped, and are often the cause of problematic circulation and/or accidents. Draw such an intersection, corrected to eliminate such problems.	5	
9.	A pedestrian route measuring 30 metres in length leads from a public road to a park. Illustrate, by a sketch, the ideal planning proposition, in your view, of such pedestrian route of which the total right of way is four metres in width.	10	

10.	<p>Noise has become a frequent preoccupation in terms of planning. Noise levels are measured in decibels, a logarithmic scale by which each interval of ten decibels indicates a level of sound energy ten times greater than before.</p> <p>a) How many decibels correspond to (1) normal conversation , (2) a busy street ? (3) a jet airplane at full speed ?, (4) an automobile horn ?</p> <p>b) A noise 20 decibels higher than another has ..... times the energy of the latter. Complete the sentence.</p> <p>c) Name three types of solid barriers considered to be very effective in cutting down noise.</p>	10	
	<b>Total Marks:</b>	100	