

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

**C10 – LAND USE PLANNING &
ECONOMICS OF LAND DEVELOPMENT**

March 2018

Note: This examination consists of 10 questions on 1 page.

Marks

Q. No

Time: 3 hours

Value Earned

<u>Q. No</u>		<u>Value</u>	<u>Earned</u>
1.	A community development plan can be described as a long-range, comprehensive, general policy guide for future physical development. Given this perspective, discuss the key features of a community plan.	10	
2.	Explain how the topography of the area being developed will influence: surface drainage, street layout, underground drainage (storm and sanitary), and water supply.	10	
3.	A street designed in the 1940's has an exceptionally high number of pedestrians and cyclists being struck by motor-vehicles. Your city council has asked you to come up with some proposals on how to cut down the number of vehicle accidents and improve pedestrian safety. What are your suggestions?	10	
4.	Explain how demographic trends are incorporated into urban planning.	10	
5.	With some provincial or territorial variation, there are steps through which a municipality creates a plan for the use of land within its jurisdiction. Explain these steps and how a land surveyor might be either involved or affected by them.	10	
6.	There are several classes of regulatory, natural and cultural resources that should be collated during a site assessment. Describe these factors outlining how they may influence the design of a proposed development. In your discussion, specifically highlight factors that should be considered when designing in/for cold climates.	10	
7.	Discuss the general design characteristics of ancient cities - Greek and Roman era and earlier, cities from the Dark and Middle Ages, and the utopian planners of the 19th Century.	10	
8.	Zoning, development control, and redevelopment plans are the typical planning tools used to control development in Canadian communities. Discuss each of these tools, outlining how they are used to control development.	10	
9.	Briefly explain the steps in the development of land into a residential subdivision and the role of the land surveyor in that process from the time that the land is sold to the developer until houses are occupied by the owners.	10	
10.	Many abandoned railway rights of way have been converted to walking trails. How else might they be utilized, in an urban environment?	10	
	Total Marks:	100	