

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

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

March 2019

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

Marks

Q. No

Time: 3 hours

Value Earned

1.	You have just got a job to design a totally new community located in the far north of Saskatchewan where the average winter temperature is -20C. What factors would you need to consider that you may not have considered in your previous planning job in southern Florida?	10	
2.	Statistics Canada, local real estate boards, environmental organizations, various government and non-government organizations (and numerous others) are constantly producing reports and publications that are very important to how a city plans for the future. Discuss some of the key information a city will gather from these organizations and how this data will influence its planning for future growth.	10	
3.	A city is creating an online LIS/GIS web portal that is being designed for those involved in the land development process. The intention is to speed up the development process by putting everything that the developer, and those associated with development, would need in one place. Explain what you think should be on this site.	10	
4.	Explain the factors influencing the number of and location of parking spaces in a residential development.	10	
5.	Commonly street widths were one chain in early subdivisions. Explain whether this has remained sufficient to the present day and, in addition to vehicular traffic, how utilities and pedestrian traffic can be accommodated.	10	
6.	A community development plan can be described as a long-range, comprehensive, general policy guide for future physical development. Given this perspective, list and discuss the key features of a community plan.	10	
7.	A street designed in the 1920's has an exceptionally high number of pedestrian 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? Use sketches & diagrams to illustrate your answers.	10	
8.	Land Use Zoning has seen widespread adoption in North America. What is the purpose of land use zoning? What does land use zoning regulate?	10	
9.	Discuss how railways, street cars and automobiles have influenced the building of Canadian cities.	10	
10.	Explain how the topography of the area being developed will influence: surface drainage, street layout, underground drainage [storm and sanitary], and water supply.	10	
	Total Marks:	100	