

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

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

October 2019

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

Marks

Q. No

Time: 3 hours

Value Earned

1.	Climate change has become very important to urban planners. With temperature rise, rainfall patterns are changing, glaciers melt and the average global sea level is rising. It is expected that these changes will continue and that the extreme weather events, such as floods and droughts, will become more frequent and intense. What sort of things would a coastal urban area (i.e. Vancouver, Halifax, etc.) need to consider when planning for the next 50 years?	10	
2.	A large city in western Canada has a 4-lane viaduct entering the city. This was originally built as part of the city's plan to feed various freeways into the city. This plan, however, was never realized. The current council has decided to close the viaduct, reroute traffic elsewhere and redevelop the area. What do you suggest the city does with this viaduct, keeping in mind existing planning documents, zoning, public reaction and costs?	10	
3.	With the current trend toward sustainability, explain how the orientation of dwellings and consequently lot layout would be affected.	10	
4.	What are the primary objectives of Zoning, and why was this method for allocating land uses adopted?	10	
5.	Most cities (large and small) have some form of 'Official Plan.' What is the purpose of these plans?	10	
6.	Land Use Planning creates a relationship between planners, politicians, developers and community. Summarize these relationships outlining the Land Surveyors role in each of them, if any, and discuss the relevance of these roles to Land Use Planning.	10	
7.	When designing a subdivision what should be considered when developing a stormwater management plan?	10	
8.	Many provinces define a hierarchy of plans within their planning legislation that define the general types of plans necessary for land development. Discuss the significance and purpose of the different types of plans that you could expect to find in a land use planning hierarchy of plans.	10	
9.	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	
10.	When undertaking a site analysis, there are various aspects of the existing environment, both internal and external to the parcel being assessed, that should be considered. Describe and discuss these factors.	10	
Total Marks:		100	