

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

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

March 2016

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

Marks

Q.No

Time: 3 hours

Value Earned

1.	Traffic calming consists of physical design and other measures that are put in place on roads with the intention of slowing down or reducing motor-vehicle traffic. This is often done as a means to improve safety for pedestrians and cyclists. Explain some of the various methods and how you might apply these to a residential area just outside Regina.	10	
2.	Zoning is a tool of urban planners used by local governments. What exactly is the purpose of zoning and how would a large urban area use this tool?	10	
3.	Discuss how railways, street cars and automobiles have influenced the building of Canadian cities.	10	
4.	How do demographic trends affect city planning? For example, some cities have become favourites for retirees, hence a predominately elderly population. While others (e.g. northern resource towns) have a much younger population. Some areas attract immigrants from specific regions (e.g. 43% of Metro Vancouver residents have an Asian heritage). How does demographic change affect City Planning?	10	
5.	Through a series of new taxes, and some money from the federal government, a large Canadian city will receive approximately \$2 billion dollars over the next 10 years. These funds are to be used for various transportation infrastructure projects. The city has stated many times that that it does not want new freeways. Explain what projects you would recommend, how you would implement them, and what other projects the planning department may want to implement concurrently.	10	
6.	Traditionally, cities have addressed density issues by adding tower developments with apartment homes for purchase or rent. What alternatives (i.e. Gentle Densification) would you recommend to the city planning department to increase density? Remember, the goal is to increase density without major urban renewal.	10	
7.	The City of Kelowna BC has a document titled "Official Community Plan 2030" and the City of Richmond BC has a similar document titled "Official Community Plan 2041." What is the purpose of these documents and what would be some of the subjects discussed in these documents?	10	
8.	Site analysis is a critical first step in planning and designing a development. One of the purposes of site analysis is to identify potential issues or limitations as early as possible so that a proposed design can be completed on-time and on-budget. Discuss the factors that should be considered when characterizing a site prior to design.	10	
9.	The need to address land use planning problems is driven by growth and development issues, the public interest, and external effects. Discuss each of these drivers and outline how they contribute to planning.	10	
10.	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	
Total Marks:		100	