

**CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS**

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

**October 2021**

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

**Marks**

**Q.No**

**Time: 3 hours**

**Value   Earned**

1.	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	
2.	A large city in western Canada will be receiving approximately \$4 billion dollars through a series of new taxes, federal government grants, and various other sources over the next 5 years. These are to be used to fund a specific transportation infrastructure project, namely, a 20-km connection between the downtown core and a newly constructed airport. List 3 or 4 options the city should consider (taking into account the Official Community Plan, global warming, etc.). Outline the pros & cons of each.	10	
3.	Sustainability has become very important in urban planning. Explain what is involved and how a typical large city would implement such a process.	10	
4.	Explain how surveying is involved in the stages of real estate development, from initial land acquisition by the developer to the home owner occupying a new dwelling.	10	
5.	In the design of a subdivision, explain how you would match existing street patterns and topography around the periphery of the area being developed. Illustrate with sketches.	10	
6.	Discuss how railways, street cars and automobiles have influenced the building of Canadian cities.	10	
7.	You have just taken a position in the planning department of a fairly large city. They have requested you totally rewrite their Official Community Plan. Explain the purpose of this document & detail the key points that should be addressed.	10	
8.	Explain how demographic trends (as derived from census data) are incorporated into urban planning.	10	
9.	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	
10.	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. Use sketches & diagrams to illustrate your answers.	10	
<b>Total Marks:</b>		<b>100</b>	