

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS

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

March 2023

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

Marks

Q. No

Time: 3 hours

Value Earned

1.	A residential subdivision is usually equipped with overhead street lighting. What are the advantages, if any, of buried street lighting facilities?	10	
2.	Involvement of stakeholders (public, government, special interest groups) is an almost mandatory element of land use planning in today's society. a) List four ways by which information about a proposed project land use can be conveyed to the public. b) List four ways by which public input and feedback can be canvassed.	10	
3.	Cities in ancient empires were established much like new towns of modern times. What planning issues were considered essential in ancient times and are still considered to be fundamental to planning of communities today?	10	
4.	Sound and its transmission are important factors in the development of spaces for human activities. a) List three natural effects which suppress noise sources. b) List three design techniques which can be used to suppress noise sources.	10	
5.	Most cities (large and small) have some form of 'Official Plan.' What is the purpose of these plans?	10	
6.	As a professional Land Surveyor, you are requested by a local government to suggest actions (for planning purposes) in order to precisely identify on the ground, two flood lines (20- and 100-year occurrence). What steps or procedures do you suggest?	10	
7.	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	
8.	There are obvious risks in the establishment and operation of single-industry resource communities ("company towns"). Describe some of the risks, advantages, disadvantages, and alternatives.	10	
9.	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 costal urban area (i.e. Vancouver, Halifax, etc.) need to consider when planning for the next 50 years?	10	
10.	Discuss some of the key factors to be considered in the establishment of a new municipal landfill site.	10	
	Total Marks:	100	