

CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS**C10 – LAND USE PLANNING &
ECONOMICS OF LAND DEVELOPMENT****October 2024****Note: This examination consists of 10 questions on 1 page.****Marks****Q. No****Time: 3 hours****Value Earned**

1.	Describe some of the precautions which must be taken in conducting land use operations in terrain underlain by permafrost.	10	
2.	Explain how demographic trends (as derived from census data) are incorporated into urban planning.	10	
3.	Many cities in Canada have extensive water and sanitary sewage collection and treatment systems that are quite dated. Due in part to urbanization and climate change, many stormwater systems are overwhelmed by the sheer volume of water during heavy rains. Since simply building larger pipes can be very expensive, how would you address this problem in future developments?	10	
4.	As a professional Land Surveyor, you have been hired by a local government to precisely identify on the ground two flood lines (20- and 100-year occurrence). These points will then be used in how the local government develops the area. How would you go about doing this (i.e. what steps or procedures do you suggest)?	10	
5.	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	
6.	You have just taken a position in the planning department of a large city. They have requested you to totally rewrite their “Official Community Plan.” Explain the purpose of this document & detail the key points that should be addressed.	10	
7.	Mobile home parks, sometimes referred to as trailer parks, often suffer a negative image in comparison to residential subdivisions. Name some ways to improve this negative image.	10	
8.	Discuss some of the key factors to be considered in the establishment of a new municipal landfill site.	10	
9.	Explain the steps in the development of land into a residential subdivision. What is the role of the land surveyor in that process from the time that the land is sold to the developer until houses are occupied by the owners?	10	
10.	What are the primary objectives of Zoning, and why was this method for allocating land uses adopted?	10	
Total Marks:		100	