

National Exams December 2016

04-Geom-B6: Land Use Planning and Environmental Management

(3 hours duration)

NOTES:

1. If doubt exists as to the interpretation of any question, the candidate is urged to submit with the answer paper, a clear statement of any assumptions made.
2. This is a CLOSED BOOK EXAM. Any Sharp or Casio approved calculators are permitted.
3. FIVE (5) questions constitute a complete exam paper. The first five questions as they appear in the answer book will be marked.
4. Each question is of equal value.

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Candidate Name: _____ Signature: _____

Give answers to any five (5) of the following seven questions (100% total, 20 marks each).

1. Describe the characteristics of small town development with a focus on land-use patterns. (20 marks)
2. What is zoning? What are the three major factors on which zoning is based? By comparing the traditional zone structures, briefly explain how overlay zoning works and its advantages. (20 marks)
3. What is a regional land use plan? What can it include? Why is regional land use planning done? (20 marks)
4. Briefly define and describe the normative process and the technical process in community-planning process, explain the differences between the two (20 marks)
5. What are the seven of the most prominent land use planning tools in use across Canada? What are the four ways for utilizing the land use planning tools to reduce climate risks? (20 marks)
6. What are the environmental concerns associated with road salts in Canada's winter? What kinds of measures will be adopted to reduce the impact of road salts on the environment in Canada? How much do you think we could cut back on our use of road salts? (20 marks)
7. What is so-called smart growth? Explain the keys to planning success with smart growth. (20 marks)