

National Exams May 2015

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 non-communicating calculator is 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.
5. Most questions require an answer in essay format. Clarity and organization of the answer are important.

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Candidate ID: _____ Name: _____ Signature: _____

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

1. What are the objectives, purposes and nature of land-use zoning?
2. What are the four key factors in environmental planning for future water supply? Explain them.
3. Describe a site analysis process with several basic steps. How does GIS apply to site analysis in the design professions of urban planning and landscape architecture?
4. Define city, urbanized area and metropolitan area in the case of Canada. What are the factors for identifying urban places and cities? Explain them.
5. What is so-called edge city? What are the characteristics of an edge city? Explain the characteristics that distinguish edge cities from traditional urban centres in Canada.
6. What are the key considerations to planning success with smart growth? Explain them.
7. What are the commonly used methods for evaluating urban and regional plans? Compare evaluation methods of urban development with critique of their efficiency and value. Which method is more efficient for evaluating urban development?