

NATIONAL EXAMINATIONS – May 2018

**16- CIV-B6, Urban and Regional Planning**

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. Candidates may use one of two calculators, the Casio or Sharp approved models.
3. This examination is **CLOSED BOOK**. No aid other than an electronic calculator (see 2 above) is permitted.
4. The first **TWO (2)** questions plus **FIVE (5)** of the remaining questions constitutes a complete paper. Additional questions which are answered will not be marked. The first two questions are worth 25 marks each. The remaining questions are worth 10 marks each.
5. Either SI or English units may be used.
6. Most questions require an answer in essay format. Clarify and organization of the answer are important.

MARKS      PART A:      CANDIDATES MUST ATTEMPT ALL SECTIONS OF  
QUESTIONS 1 and 2

1.      The Town of Raleigh (population 75,000) is located on the edge of a large metropolitan area and has grown rapidly over the past decade. The municipal council has requested a review of its comprehensive land use plan (Official Plan). As Planning Commissioner, you have been tasked to manage the project. You are considering retaining a professional consulting firm to assist your department, since the Town does not have sufficient staff to undertake such a large assignment following a hiring freeze. However, before you issue a Request for Proposals, you do some preliminary thinking about the project, and the type of consulting firm the Town should hire.
- 5                      (a)      Identify the areas of expertise you would expect the consulting firm to have in order to undertake this project. State what each area would contribute to a comprehensive plan review.
- 10                     (b)      Outline the main tasks you would expect to be included in the work plan for the comprehensive plan review.
- 10                     (c)      What groups and organizations should be involved in the revision of the comprehensive plan? What are some effective methods to get their input?
2.      CCM Global, an expanding engineering firm, has hired you to run a new planning division in a Canadian city. Your first major project is to prepare a residential plan of subdivision for a 100 hectare property located on the periphery of the rapidly expanding City of Bixibush. The land is currently rural and strong opposition has been voiced by adjacent residents, though some local politicians are supportive.
- 10                     (a)      Note ten (10) agencies, departments, organizations, or individuals you would contact. For each, state in one sentence the purpose of the contact.
- 10                     (b)      When you prepare the final draft plan of subdivision what information must be shown on the plan? List twenty (20) items.
- 5                      (c)      How would you address the “not-in-my-backyard” (NIMBY) concerns of the local residents?

MARKS

PART B:

ANSWER FIVE (5) OF THE FOLLOWING SEVEN (7) QUESTIONS  
ALL QUESTIONS ARE OF EQUAL VALUE

3. Most Canadians live in suburbs built after 1945.
- 5 a) What are the advantages and disadvantages of suburban development for the residents?
- 5 b) If current suburban trends continue, what are the implications for our communities?
- 5 4. (a) How are net and gross residential densities measured in suburban areas? Which one is typically the larger number?
- 5 (b) Why do planners measure density of people, employees and buildings? What method of density measurements should be used for downtown development projects in larger cities?
- 10 5. With land at a premium in many metropolitan areas, “greyfield” re-development of declining shopping centres is more frequently undertaken in recent years. Explain this planning concept and outline some of the benefits and challenges of developing such areas.
- 10 6. In the context of urban and regional planning, define FIVE (5) of the following terms:
- |                       |                              |
|-----------------------|------------------------------|
| (a) minor variance    | (e) heritage district        |
| (b) secondary suite   | (f) environmental assessment |
| (c) urban design      | (g) flood plain              |
| (d) building envelope | (h) site plan control        |

