

NATIONAL EXAMINATIONS -

98-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 that 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.

MARKS

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

1. You are the Chief Engineer in the Town of Holloway, a community of about 10,000 people that is projected to grow rapidly in the next 10-15 years. In the seven years you have lived in Holloway growth has been steady and manageable within the existing Development (Official) Plan. However, the Town Council now feels that the Plan should be reviewed and updated
- 5 (a) Why does the projected growth cause Council to request revisions to the Development (Official) Plan?
- 10 (b) Which five (5) aspects of the Plan would to you, as Chief Engineer, be of particular interest, and why?
- 5 (c) Explain the relationship between the Development (Official) Plan and the Zoning By-law.
- 5 (d) How would the Zoning By-Law be affected by revisions to the Development (Official) Plan?
2. PlanSmart Consulting Inc. is a small company of highly skilled professionals providing engineering, environmental and planning services throughout Canada. The Internet has allowed their regional network of offices to expand rapidly by sharing skills. You have recently been hired in your part of Canada. A valuable client has purchased a 162 hectare property on the outskirts of the City of Leadsmarsh, as a major manufacturer is planning to locate a new plant in the city. Your client plans to subdivide the property and wishes you to make a presentation to the Leadsmarsh Planning Board.
- 10 (a) In preparing your presentation what agencies, departments, groups, or individuals would you contact? For each contact explain the information you would request.
- 5 (b) At what point would you visit the site? Explain why. What would you look for?
- 10 (c) When you meet with your client she listens intently to your findings and then asks that you prepare a concise report to accompany your presentation. List the table of contents of your report and in a few words describe what each section will address.

MARKSPART B: ANSWER FIVE (5) OF THE FOLLOWING QUESTIONS  
ALL QUESTIONS ARE OF EQUAL VALUE

- 10            3.    The transition of raw (agricultural/forest) land to residential use requires a number of steps. Discuss these steps and for each indicate the persons and groups that have an economic interest in each stage of the development process.
- 10            4.    Over the ages, from Roman time to the 21<sup>st</sup> century, city building has presented the same perennial issues. Identify five (5) of these perennial issues and discuss the importance of each.
- 10            5.    Urban and Regional Planning requires a familiarity with many related subjects and areas of planning activity. Discuss TWO (2) of the following subjects, and note how each relates to community planning.
- (a) utopian communities            (d) consensus building  
(b) waste disposal                    (e) public transit  
(c) urban renewal
- 10            6.    In *The Shape of the City* author John Sewell presents the struggle of balancing the needs of the many diverse stakeholders that have an interest in how a city grows. Discuss the issues Sewell raises and indicate what lessons we have learnt from Sewell's study of Toronto.
- 10            7.    Environmental considerations are increasingly a part of modern day planning. Discuss this trend in the development and redevelopment of Canadian towns and cities. Use Canadian examples to illustrate your points.
- 10            8.    In the context of urban and regional planning define FIVE (5) of the following terms:
- (a) whitepainting                      (e) traffic calming  
(b) road allowance                    (f) consents  
(c) development control              (g) impact assessment  
(d) Garden City                        (h) net density
- 10            9.    Today, public participation is an integral part of any planning activity. Discuss this statement, explaining the evolution of public involvement and the role it can play in decision-making. Illustrate your answer with Canadian examples.
- 10            10.   In closing, Hodge observes that "planning practice... comprises *technical*, *moral*, and *utopian* dimensions". Discuss this quote and indicate why all dimensions need to be present in the planner's response to development.