

November 2015 Professional (GIM) Examination

Question 1

(10 marks)

Your firm has been awarded a contract for a large dam and associated hydroelectric generating station. Prior to the commencement of field work, a health and safety meeting must be held.

- a) Prepare an agenda for this meeting
- b) Who will attend?
- c) List five site specific hazards, and how will they be addressed.

Question 2

(10 marks)

You are an Ontario Land Surveyor working for an established firm. You find that one of the principals of the firm is cutting corners and not performing proper work. You have serious concerns that his work is substandard and may not comply with the Standards.

- a) How would you deal with the situation? (2 marks)
- b) Would your response differ if the member was a local competitor? If so, how? (2 marks)
- c) If the Association of Ontario Land Surveyors became involved, what processes are available? (6 marks)

Question 3

(15 marks)

The Association of Ontario Land Surveyors is referred to as a "self-governing body."

- a) Explain what is meant by self-governing. (4 marks)
- b) What are the obligations of our self-governing body? (4 marks)
- c) Briefly describe seven items in the *Surveyors Act* that help to ensure that the public is served and/or protected by our Association. (7 marks)

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Question 4

(10 marks)

The Performance Standards for the Practice of Professional Land Surveying (Regulation 216/10) includes a section (Part VI) on Geographic Information Management. Describe three of the elements from that section that must be included in the project design and implementation of a GIM project.

Question 5

(15 marks)

- a) Define the legal/business term “contract”. (2 marks)
- b) What are the key elements of a binding contract? (7 marks)
- c) There are a number of methods for billing and estimating a contract. Identify three methods and briefly discuss the merits of each. (Advantages / disadvantages) (6 marks)

Question 6

(10 marks)

Discuss the differences in transforming between

- (i) NAD27 and NAD83 (adopted) (5 marks)
- (ii) NAD83 (CSRS) and WGS84 (5 marks)

Question 7

(10 marks)

As a Certificate of Registration member in Geographic Information Management, write a letter to a client responding to a request to include a cadastral survey as part of a multi-faceted survey project that you are conducting.

Do not sign the letter.

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Question 8

(10 marks)

Metadata is an important component in the management and sharing of Spatial Data.

- a) Define the term Metadata. (2 mark)
- b) What format is generally used for the distribution of Metadata? (2 mark)
- c) What are some of the more common Metadata standards? (3 marks)
- d) List at least 3 key categories or components common to these Metadata standards. (3 marks)

Question 9

(10 marks)

There are two AOLS committees that deal primarily with the education of surveyors.

- a) Name them. (2 marks)
- b) Under what authority are they created and are they mandatory? (4 marks)
- c) What is the primary focus of each committee? (4 marks)