

**ASSOCIATION OF CANADA LANDS SURVEYORS  
BOARD OF EXAMINERS**

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**EXAMINATION P1  
ACTS AND REGULATIONS RELATING TO SURVEYS OF CANADA LANDS**

**March 2017**

This examination consists of 20 questions on 3 pages.

<b><u>Q. No</u></b>	<b><u>Time: 3 hour.</u></b>	<b><u>Marks</u></b>	
		<b><u>Value</u></b>	<b><u>Earned</u></b>
1.	<p>You have been engaged to survey a 25 lot subdivision in the City of Yellowknife, NT. A perimeter survey of the site has recently been recorded in the Canada Lands Surveys Records. The developer has indicated that they want the individual lot boundaries marked on the ground to facilitate identifying any additional blasting and site preparation that may still be required. Given that many of the survey monuments to be installed will likely be disturbed during the final site preparation, you suggest that deferred monumentation would be a practical alternative to conducting a standard subdivision survey.</p> <p>Briefly describe the requirements for deferred monumentation and identify if deferred monumentation is allowed in the Yukon and Nunavut.</p>	5	
2.	<p>What is the difference between an explanatory plan and a descriptive plan? Name the legislation that defines a descriptive plan.</p>	2	
3.	<p>What is the Administrative Line of Convenience?</p>	2	
4.	<p>In conducting a survey in the North, a Canada Lands Surveyor needs to know who has administration and control of the lands to be surveyed. Identify four different categories of land that exist in ONE of the three northern territories (Yukon, Northwest Territories, Nunavut).</p>	4	
5.	<p>Briefly explain the difference between a plan that is approved and one that is confirmed by the Surveyor General of Canada Lands. Give an example of each.</p>	4	
6.	<p>There are a number of different types of mining surveys conducted in the North (Yukon, Northwest Territories, Nunavut) by Canada Lands Surveyors. Identify the different types, by jurisdiction, and indicate if these surveys are a mandatory part of each particular mineral rights regime.</p>	10	
7.	<p>Describe what types of evidence a Canada Lands Surveyor would expect to use and find when conducting the various types of mining surveys and establishing limits of mineral interests on the ground.</p>	5	
8.	<p>What types of monuments are approved by the Surveyor General for marking the boundaries of a mining interest being surveyed in Nunavut?</p>	3	

9.	Identify the version (epoch) of the NAD83(CSRS) datum that is approved by the Surveyor General for use in: a) Yukon b) Northwest Territories c) Nunavut	3	
10.	A client retains the services of a Canada Lands Surveyor to make a survey for a bareland condominium affecting a parcel within a National Park.  a) Which is the only province that recognizes condominiums in National Parks and what legislation is this under?  b) Name a National Park where a condominium would be recognized.  a) Where would the leasehold titles for the newly created condominium units be registered?  b) What is the maximum term that the leasehold titles would be granted for?  c) Would your survey plan for this bareland condominium need to be bilingual?  d) What type of monuments would you be required to use for this survey?	2  1  1  2  1  1	
11.	What credentials are required to survey boundaries in National Parks within the provinces?	3	
12.	What is the process for amending the National Parks Act to establish a new National Park or to amend the boundary of an existing National Park? What specific conditions must be met for this to happen?	3	
13.	The Town of Banff was established as a municipal corporation on January 1, 1990 and the Municipality of Jasper was incorporated on July 20, 2001. What is the primary difference in the municipal powers that were given to each of these entities at the time of their incorporation?	3	
14.	What are licenses of occupation generally used for in a National Park? What type of document would normally be used to describe the lands for these licenses of occupation?	3	
15.	What Agreement document specifies the types of surveys and plans required for various land transactions on Reserve Lands?	3	
16.	a) In the case of a First Nations Reserve, what is a jurisdictional boundary? b) What type of plan is required for the survey of a jurisdictional boundary?	3 2	
17.	In accordance with the Canada Lands Surveys Act, what is the Surveyor General's role with respect to surveys on a First Nations Reserve?	3	

18.	<ul style="list-style-type: none"> <li>a) Who must approve a plan of survey for survey for surface rights pertaining to oil and gas development on First Nations Reserves?</li> <li>b) What Survey Returns are required and to whom?</li> </ul>	2 6	
19.	<ul style="list-style-type: none"> <li>a) When is a survey report required?</li> <li>b) Name five items that may be contained in a survey report.</li> </ul>	2 5	
20.	<p>You have been contacted by a P.Eng. working for a First Nation Band. He asks you for an estimate for the survey of a 20 lot subdivision within a Reserve.</p> <ul style="list-style-type: none"> <li>a) Outline the research and resources you will use to prepare your estimate.</li> <li>b) The P.Eng. accepts your estimate and authorizes you to proceed. What do you do to obtain survey instructions?</li> <li>c) You receive the survey instructions and have picked a date to start the survey. What important task should you perform before proceeding with the field work?</li> <li>d) The survey and your draft plan are now completed. What steps are required to get the plan registered?</li> <li>e) Critical issues are found on your plan by SGB and they request amendments. How do you proceed?</li> </ul>	5 3 1 5 2	
	<b>Total Marks:</b>	100	