

**THE UNIVERSITIES CO-ORDINATING COUNCIL  
BOARD OF EXAMINERS IN LAND SURVEYING**

**THE SURVEYING PROFESSION  
(CLOSED BOOK EXAM)**

**MARKS**

**APRIL 1996**

**TIME: 3 HOURS**

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- 1) **In view of the increasing use of GPS by Land Surveyors, please answer the following:**
- 7 a) What are the seven parameters that have to be derived before a 3D transformation can be performed?
- 4 b) Similarly, what are the four parameters that have to be derived before a 2D transformation can be performed?
- 2) **The September, 1995 issue of ALS News reported on a court decision with respect to an individual who was not an Alberta Land Surveyor preparing “Certified Surveyors’s Real Property Reports”.**
- 2 a) What was the court’s decision?
- 4 b) What was the reasoning behind the court’s decision?
- 4 c) Why was the outcome of the case different from the 1990 “INFOMAP” case in British Columbia? Please discuss.
- 3) **Is there a statutory requirement for each of the following? Please explain who is authorized to prepare each and what authority gives the privilege.**
- 2 a) Real Property Report
- 2 b) Wellsite Plan
- 2 c) Descriptive Plan
- 2 d) Subdivision Plan
- 2 e) Topographical Site Plan
- 2 f) Plan for EZE Disposition on Public Lands

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- 8            4)    **Please discuss what impact Federal Legislation passed in 1976 has on Land Surveyors's with respect to the issue of a "Suggested Tarriff Of Fees". What was the name of the Legislation?**
- 8            5 a)   **As an Alberta Land Surveyor you discover an apparent serious error in another Land Surveyor's plan. In chronological order please explain all the steps which could be involved until you were satisfied the situation was properly addressed.**
- 8            b)    Please discuss the fundamental differences in purpose between the Practice Review Process and the Discipline Process.
- 6            6 a)   **There are two (2) aspects of liability the land surveyor should be familiar with. Please name each and discuss how each affects the Land Surveyor. Who is the "ultimate" authority in each aspect?**
- 4            b)    You have received correspondence which indicates you may be liable for an error or omission. What would your first step be?
- 7)        **You have been retained to complete a plan to effect subdivision which requires you to assess a section corner. This monument has been reestablished by a land surveyor during the course of a right-of-way plan survey.**
- 6            a)    Does the section corner monument govern? Would your answer be the same if the monument had been reestablished during the course of a subdivision survey?
- 6            b)    Is it appropriate that a land surveyor use a different approach in establishing a section corner monument dependent on whether the survey being conducted is right-of-way or subdivision in nature? Please discuss.
- 6            8)    **What in your opinion makes a professional land surveyor different from a qualified survey technician?**

- 9) **As I am sure you are aware, the Manual Of Good Practice is in the process of being rewritten.**
- 4 a) What is the purpose of the Manual?
- 4 b) Please explain the procedure necessary to effect changes to the Manual versus the Surveys Act.
- 7 10) **Please discuss either of the following issues:**
- a) Mandatory continuing education.
- OR
- b) New categories of Affiliate and Associate member in the proposed bylaws of the A.L.S.A.