

**CANADIAN BOARD OF EXAMINERS FOR PROFESSIONAL SURVEYORS**

**E-3 ENVIRONMENTAL MANAGEMENT**

**October 2010**

**Note: This examination consists of 6 questions on 1 page.**

| <u>Q. No</u>        | <u>Time: 3 hours</u>  | <u>Marks</u> |               |
|---------------------|---|--------------|---------------|
|                     |   | <u>Value</u> | <u>Earned</u> |
| 1.                  | A parcel of 160 acres [64.7 hectares] is to be developed into residential [3/4 of the developable portion of the parcel] and commercial properties [the remainder of the developable portion]. About 15 hectares has the potential of being environmentally sensitive. Consider the development process from the purchase of the whole parcel to the occupation of a single family dwelling. Explain the steps involved in this process, any way in which an environmental concern would have to be addressed, and what authorities would likely be involved. Along with your explanation, cite references, such as statutes and regulations and government publications, which would pertain to the area in which you are working. | 30           |               |
| 2.                  | In the context of a real estate transaction, explain what is involved in an environmental site assessment [ESA] with respect to what is done, why, by whom, and what authorities [federal, provincial, municipal, or other] might be involved.  | 20           |               |
| 3.                  | By grouping the provinces and territories, explain what different climatic or physical geographic regions that comprise Canada and how environmental management might differ as a consequence. In your explanation, recognize what concerns would be significant in each region and how to deal with them [some key words or phrases that should be in your explanation: "agriculture", "aquaculture", "coastal zone", "forest resources", "mineral resources", "permafrost", "petroleum resources", "watercourse", "wetland"].   | 25           |               |
| 4.                  | Explain whether environmental management concerning Aboriginal land would be different from dealing with non-Aboriginal land in:<br>a) northern Canada [the territories, northern Québec, Labrador];<br>b) western Canada [British Columbia and the Prairie provinces];<br>c) southern and eastern Canada [Ontario and elsewhere].  | 15           |               |
| 5.                  | Explain "sustainable development" and how environmental management is involved.   | 5            |               |
| 6.                  | By either federal or provincial legislation, an area can be designated as "protected". Explain the consequence of this in the development of land.  | 5            |               |
| <b>Total Marks:</b> |   | 100          |               |