

Section A: Multiple Choice Select the **BEST** answer from the choices provided to each of the following statements and write the **LETTER** of your choice in the space provided. Value 34%.

- ___ 1. Which one of the following tree species is not a member of the **coniferous forest** ?
a) spruce b) pine c) aspen d) larch
- ___ 2. A vegetation region in Canada that is dominated by short-rooted plants and lichens:-
a) temperate rainforest b) short-grass prairie
c) boreal forest d) Arctic tundra
- ___ 3. The **comfort temperature** is considered to be:-
a) 20EC. b) 15EC. c) 25EC. d) 17EC.
- ___ 4. Each of the following provinces have mountain resorts that attract ski enthusiasts from around the world with the exception of:-
a) British Columbia b) Manitoba
c) Ontario c) Quebec
- ___ 5. A region in Canada that contains a great deal of farmland:-
a) the Cordillera b) the Interior Plains
c) the Arctic Lowlands d) the Canadian Shield
- ___ 6. The province with the greatest percentage of **quality farmland**:-
a) Ontario b) New Brunswick
c) Saskatchewan d) Alberta
- ___ 7. Approximately what percentage of Canada's total land area is farmland ?
a) 5% b) 10% c) 15% d) 20%
- ___ 8. A Canadian province well-known for its cattle ranches:-
a) Nova Scotia b) Alberta
c) Manitoba d) Ontario
- ___ 9. The yearly minimum amount of precipitation needed for most crops that are grown in Canada is:-
a) 500 mm b) 200 mm c) 400 mm d) 300 mm
- ___ 10. Which of the following is necessary to make a farm operation profitable ?
a) suitable weather conditions for the growing of crops
b) good market conditions so that the farmer can get the best possible price for his produce
c) good decision-making ability on the part of the farmer
d) all of the above are necessary
- ___ 11. How many **degree days** are in a summer day with an average temperature of 23EC. ?
a) 18 b) 28.6 c) 12.8 d) 17.4
- ___ 12. Which of the following farm types is more specialized than the others ?
a) cattle ranches b) dairy farms
c) small-grain farms d) tender fruit farms
- ___ 13. A vegetable that has increased in popularity among Canadians in recent years:-
a) cucumbers b) tomatoes
c) broccoli d) cauliflower
- ___ 14. The average size of a **market garden** farm is:-

- ___ 21. Farm incomes are generally much higher than the earnings of the average Canadian living in the city.
- ___ 22. There is little farming activity on a wheat farm during the winter months.
- ___ 23. Tender fruit production is limited to areas in Canada where there is a long growing season with mild winters.
- ___ 24. Specialized farms, like dairies, are vulnerable to climate and market conditions.
- ___ 25. The eating habits of Canadians do not have an important effect on Canadian farmers.
- ___ 26. Cattle ranching and wheat farming are two examples of **intensive farms** found in Canada.
- ___ 27. A great deal of prime farmland has been lost in Canada in recent years due to urban expansion.
- ___ 28. The abundance of decaying organic matter makes the soil of the long-grass prairie rich in humus.
- ___ 29. The **gradient** of a ski slope is calculated by dividing the horizontal distance by the vertical distance.
- ___ 30. The natural vegetation of a region is the plant life that grows there without interference from people.

Section C: Matching. Match the term in Column A with its definition given in Column B. Place the **letter** of your choice in the space provided to the left. Value 12%.

COLUMN A	COLUMN B
___ 1. permafrost	a. substances that are essential for plants to grow.
___ 2. topsoil	b. the decaying remains of plants and animals.
___ 3. podzol	c. a process whereby rocks are broken down over a period of time.
___ 4. insecticides	d. the removal of minerals from the upper layers of the soil by rain and ground-water.
___ 5. nutrients	e. the upper most layer of soil rich in organic matter.
___ 6. horizons	f. insect killing sprays used by farmers.
___ 7. weathering	g. type of climate found in most northern countries.
___ 8. chernozem	h. weed sprays used by farmers.
___ 9. nordic	i. the permanently frozen nature of the ground in northern climates.
___ 10. humus	j. name given to the soils found in areas covered by coniferous forests.
___ 11. leaching	k. a Russian word meaning " black earth ".
___ 12. herbicides	l. the different layers of the soil.

Section D: Answer any **four** of the following questions on a separate sheet of paper. Value 24%.

1. For what **two** reasons do coniferous trees keep their needle cover throughout the year ?
2. Describe the characteristic features of the **Arctic tundra**.
3. Describe what farming was like in Canada at the turn of the century.
4. In what **two** ways has **genetic engineering** proven itself to be helpful to the Canadian farmer ?
5. What are the **natural factors** that help to determine the type of farm found in an area ?
6. List any **four** characteristic features of **intensive farms**.
7. Describe a typical **tender fruit farm** found in southern Ontario.