

**Section A:** Complete the following statements by placing your answer in the space provided below. Value 40%.

1. The average depth of ocean waters off Nova Scotia and Newfoundland are less than \_\_\_\_\_ metres.
2. The large vessels used in the offshore fishery are called trawlers, or \_\_\_\_\_.
3. \_\_\_\_\_ is the basis of the marine food chain.
4. The Pacific fishery of British Columbia is best known for one fish species: \_\_\_\_\_.
5. \_\_\_\_\_ are places on the continental shelf where fish gather to spawn and feed.
6. \_\_\_\_\_ is the most valuable seafood caught in Canada.
7. Canada's offshore fishing limit extends out over the continental shelf for a distance of \_\_\_\_\_ kms.
8. The Gulf Stream and the \_\_\_\_\_ are two ocean currents that converge off the east coast of Newfoundland.
9. The platforms on which cod fish was dried in the sun were called \_\_\_\_\_.
10. With the collapse of the cod fishery, fishing for northern cod has been banned indefinitely since the year \_\_\_\_\_.
11. Traditionally, the \_\_\_\_\_ River has supported Canada's greatest salmon resource.
12. The region at the mouth of a river where tides flow in and out is called an \_\_\_\_\_.
13. The \_\_\_\_\_ is an ocean species of fish that likes to feed on young salmon.
14. The \_\_\_\_\_ is the most valuable species of salmon found on Canada's Pacific coast.
15. The shallowest of the Great Lakes is \_\_\_\_\_.
16. \_\_\_\_\_ is the raising of marine life in a controlled environment.
17. Salmon, when they are first born, are called \_\_\_\_\_.
18. Young salmon that head out to sea in order to mature are called \_\_\_\_\_.
19. Salmon will die if the water temperature goes below \_\_\_\_\_.
20. The most successful salmon farming ventures are to be found in the province of \_\_\_\_\_.

**Section B:** True or False. Place a "T" or "F" in the space provided. Value 32%.

- \_\_\_ 1. Canada has the longest coastline of any country in the world.
- \_\_\_ 2. Canada's freshwater lakes and rivers are used by Canadians exclusively for commercial fishing only.
- \_\_\_ 3. Canada's Pacific coast fishery is one of the world's richest fisheries.
- \_\_\_ 4. Trawlers are small boats that are used to fish in waters

- close to the coastline.
- \_\_\_ 5. **Phytoplankton** are microscopic, single-celled animal organisms that live in shallow seawater where sunlight can penetrate easily.
  - \_\_\_ 6. Most fishermen involved in the inshore fishery use older boats that have limited equipment.
  - \_\_\_ 7. Atlantic Canada is ideally suited for inshore fishing because the coastline has many sheltered bays that serve as ideal harbours.
  - \_\_\_ 8. Most of the lobsters caught in Canadian waters are either canned or processed as frozen meat.
  - \_\_\_ 9. Vessels used in the offshore fishery are able to withstand the stormy weather of the North Atlantic and operate all-year round.
  - \_\_\_ 10. The Grand Banks is one of the foggiest regions on Earth because the waters of the Labrador Current mix with the waters coming from the Gulf of St. Lawrence.
  - \_\_\_ 11. High Liner is one of the largest fish processing companies in the world.
  - \_\_\_ 12. A **vertically integrated company** controls all aspects of the fishing process, from catching to processing to marketing.
  - \_\_\_ 13. Vessels fishing on the Grand Banks use giant dragnets that scoop up fish of all species and size.
  - \_\_\_ 14. Once Canada extended its off-shore fishing limit over the Grand Banks the stocks of cod fish quickly rebuilt themselves.
  - \_\_\_ 15. Canadian fishermen have always respected Canada's ocean fishery and have never overfished the resource.
  - \_\_\_ 16. Canadians are changing their eating habits and lean sources of protein, like fish, are becoming increasingly popular.
  - \_\_\_ 17. Salmon that return to the rivers of the west coast of Canada will do so many times during their life cycle before dying.
  - \_\_\_ 18. **Troll lines** are generally used on the inshore salmon migration routes near the mouths of salmon-spawning streams.
  - \_\_\_ 19. A **gill net** employs an encircling technique that draws the net together in order to trap the fish.
  - \_\_\_ 20. When adult salmon return to their birth rivers in order to spawn, they immediately enter the river and swim upstream to the spawning grounds.
  - \_\_\_ 21. The estuary at the mouth of a river is a vital part of the salmon's natural environment.
  - \_\_\_ 22. Young salmon migrating downstream will spend some time in the estuary feeding in the marshes and adjusting to the change from freshwater to saltwater.
  - \_\_\_ 23. Log drives are hazardous to the salmon's survival since the logs are responsible for destroying spawning beds.
  - \_\_\_ 24. Native peoples living in British Columbia are in favour of reducing their salmon quotas in hopes of rebuilding the stocks.
  - \_\_\_ 25. Fisheries experts believe that the commercial salmon fishery is a sustainable economic activity in British Columbia.
  - \_\_\_ 26. Canada has a major freshwater fishery that is mainly centred on the Great Lakes.
  - \_\_\_ 27. Sports fishing is an important economic activity since it fuels the tourist industry.
  - \_\_\_ 28. When toxic substances are discharged into bodies of fresh water, the fish are often contaminated.
  - \_\_\_ 29. Laws require new industries to conduct environmental impact studies to ensure that industries do not harm fish habitats.
  - \_\_\_ 30. The growth of aquaculture is largely the result of overfishing.
  - \_\_\_ 31. Since the world's fish supplies have become threatened by a variety of factors, the demand for fish products has decreased sharply.
  - \_\_\_ 32. In areas where there are strong tidal currents, there is

an abundance of oxygen in the water for the fish.

**Section C:** Answer any four of the following questions on a separate sheet of paper. Value 28%.

1. List any five characteristic features of the **inshore fishery**.
2. List four reasons why cod stocks in Atlantic Canada have declined.
3. What conservation measures have been put in place in order to protect the lobster fishery ?
4. Fully explain the statement that "**the salmon is a unique fish**".
5. For what reasons have Atlantic salmon been raised so successfully in New Brunswick at Lime Kiln Bay ?
6. List any four of the factors that have combined to create an "**ecological disaster**" for Canada's west coast salmon fishery ?