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# ST. LAWRENCE HIGH SCHOOL

## Pre-Annual Test 2019(SOLUTION)

Sub: Geography Class: XID F. M. 70

Duration: 3 Hours 15 Minutes

Date: 15-01-2019

### Group A

1. Choose the correct answer: 1x21=21
  - a. The mantle-core boundary is determined by i. Conrad discontinuity  
ii. Liman discontinuity iii. Gutenberg discontinuity iv. None of the above.
  - b. The word geography was coined by i. Professor Macknee ii. Professor  
Carl Ritter iii. Fairgrief iv. Eratosthenes
  - c. With the increase of depth, the density of the rock i. decreases  
ii. increases iii. diminishes iv. remains same.
  - d. Continents are formed by i. Orogenic ii. Epeirogenic iii. sudden  
iv. cosmic movement.
  - e. When both the limbs of a fold become parallel but not horizontal, it is  
i. isoclinal ii. fan iii. Recumbent iv. Monoclonal fold.
  - f. The seismic wave which has highest velocity or speed is i. P wave ii. S  
wave iii. Long wave iv. surface wave.
  - g. Neretic deposits consist of i. Littoral deposits ii. Deposits on shallow  
continental shelf iii. Deposits on deep continental slope iv. All of these
  - h. Sunlight reaches into the sea water upto a depth of i. 20 metres ii. 200  
metres iii. 2000 metres iv. 200 kms.
  - i. Who first used the term ecosystem - i. Ernst Haeckel ii. A G Tansley  
iii. Lindeman iv. None of the above
  - j. The deepest trench of the Atlantic Ocean is i. Sunda Trench ii. Puerto  
Rico Trench iii. Mariana Trench iv. Aleutian Trench
  - k. Benguela current is found in i. Atlantic Ocean ii. Indian Ocean iii. Pacific  
Ocean iv. Antarctic Ocean
  - l. The living place of all organisms in the earth is called i. lithosphere  
ii. biosphere iii. biome iv. ecosystem
  - m. Among all fish eels fall under i. Anadromous fish ii. catadromous fish  
iii. pelagic fish iv. Demersalfish
  - n. Selva forest of Amazon basin is also known as i. heart of the earth  
ii. lungs of the earth iii. kidney of the earth iv. none of these
  - o. Main characteristic of economic resource i. dependability  
ii. Environment friendly iii. Moveability iv. usefulness
  - p. The pine tree is used for the collection of i. honey ii. lac iii. tarpin iv.  
cellulose

- q. An example of unique resource is i. cryolite in Greenland ii. Iron ore in India iii. Natural gas of Netherlands iv. Petroleum of Venezuela
- r. The percentage of forest cover in Brazil is i. 25% ii. 45% iii. 55% iv. 75%.
- s. Bababudan hill of Karnataka is famous for i. iron ore ii. copper ore iii. manganese ore iv. mica ore
- t. Which among the following resources is not environmentally friendly - i. hydro-electric power ii. solar energy iii. wind energy iv. thermal power
- u. The coal which is used in the industries is i. anthracite ii. bituminous iii. lignite iv. peat

### Group B

2. Answer the following: 1x14=14

- a. Write a name of a branch of biogeography. Environmental geography, phytogeography  
OR  
Which branch of geography deals with map making? Cartography
- b. Who presented collision hypothesis? Harold Jeffrey  
OR  
Give an example of an island which got disconnected from the mainland West Indies, Sri Lanka.
- c. Define denudation. Latin word denudare meaning laying bare  
OR  
What is solfatara? volcano emitting steam and sulphurous gases
- d. What is a focus? Place located deep below the earth from where earthquake originates  
OR  
What is harbour wave? Japanese word tsu meaning harbour and nami meaning wave, tsunami
- e. What is Challenger depth? Deepest part of mariana trench
- f. High salinity is found in which climatic zone of the ocean? Tropical zone  
OR  
Name two cold currents of the Atlantic. Falkland, Benguela, Labrador current
- g. What is food web? Pg 123
- h. What is an inorganic resource? Inanimate resource - land water mineral
- i. Name the nomadic tribe of Kenya. Kikuyu  
OR  
Name the tribes of the African Veldt. Hotentot
- j. Which fish swim into the river to spawn? Anadromous fish - Hilsa Salmon
- k. Name one of the irrigation canals of West Bengal. Midnapore canal, Eden canal  
OR

Name the reservoir behind the Aswan Dam. Nasser reservoir

- l. Name the state producing the highest amount of iron in India. Chattisgarh.  
OR

Name any two ores of copper. Chalcopyrite, copper sulphite.

- m. Define geothermal energy. Pg 230

- n. Name two important ores of manganese. Pyrolusite, psilomelane  
OR

Where do we find polderland? Netherlands

### Group C

3. Answer the following: 7x5=35

- a. Critically explain planetesimal hypothesis. Origin, year, description, criticism, pg 16-17. Which branch of geography is related to quantitative techniques in geography? 5+2 Cartography, statistical economics.

OR

Mention some evidence in favour of Wegner's Continental Drift Theory. Fossilized plants and animals, jigsaw fit, matching formation of sedimentary rocks, coal layers of carboniferous age. Pg 34-35. What is subduction? Describe with examples. 4+3 Converging plate boundary destructive process, example Peru, trench, Andes mountain. Pg 40.

- b. Describe the structured elements of faulting, along with a diagram. Faultline, faultplane, deep strike, heave, hade. Pg 60-61. Mention three differences between a normal and a reverse fault. Pg 61+3

OR

What is central eruption type of volcanicity? Forms crater, forms vents, causes explosion - Hawaiian, Strombolian etc. Describe any two with diagrams. What is Pacific Ring of Fire? Description. Pg 71-72. 5+2

- c. Describe the ridges of the Indian Ocean floor. Central Ridge, Amsterdam-St. Paul Plateau, branch ridges like Chagos Ridge, Seychelles Ridge, 90 East Ridge etc. Pg 91. Why Red Sea is warmer than the Indian Ocean? Small in size, tropical region, surrounded by desert, submarine ridge, pg 101 4+3

OR

Describe types of food chain found in eco-system. Description regarding pond eco-system, grazing food chain, predator food chain. Pg 123.

Mention the characteristics of energy flow. Unidirectional, decrease of energy from lower to higher level, Lindemann's 10% law. Pg 121-22. 4+3

- d. Mention at least 5 reasons why lumbering industry has developed in the coniferous forest belts of the world. Same type of species, soft wood, ice covered floor, less dense, less undergrowth, large demand etc. Pg 139.

Define pelagic fish with examples. Fishes which live near the surface of the sea, Herring Mackerel etc. Pg 149. 5+2

OR

Classify resource according to supply and durability. Flow resource, choked flow resource, fund resource, renewable resource etc. Pg 129. Mention the causes for development of fishing in the North West Atlantic Coast. Shallow sea, meeting point of cold Labrador current and warm Gulf Current, temperate climate, broken coastline, rugged relief, infertile soil, Grand Bank, Pg 153-54. 3+4

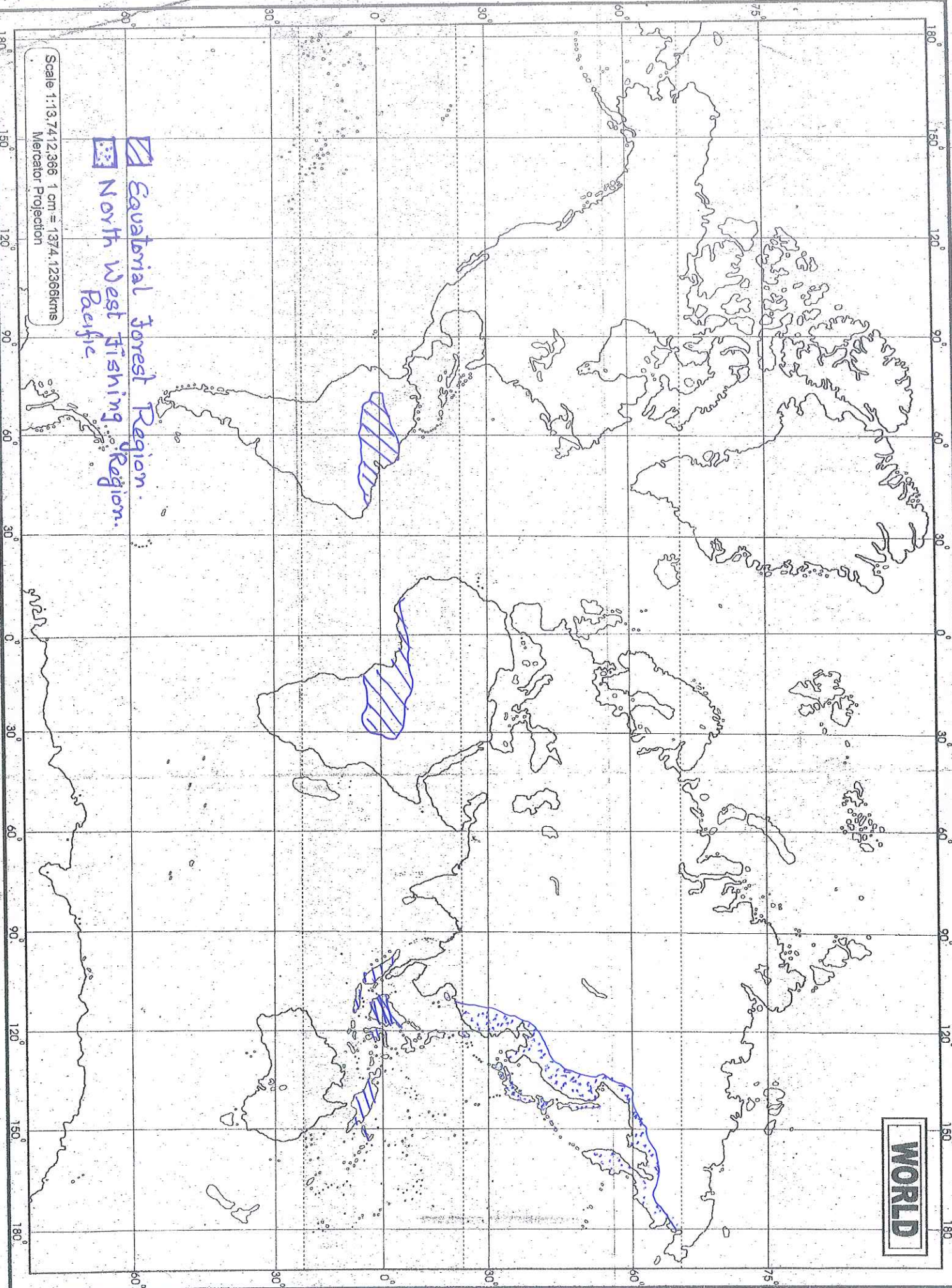
4. Answer the following:

- a. Point out the following in the given map: 2
  - i. Equatorial forest region of the world
  - ii. North West Pacific fishing ground
- b. Describe the major techniques and schemes of irrigation in Pakistan. Dams, Mongla Dam, Sukkur barrage, Artesian well. Carase irrigation. Pg 187-88. Mention any two modern methods of irrigation. Sprinkler method, and drip irrigation. 3+2




OR

Describe the petroleum producing regions of the USA.. Appalachian region, Indiana Michigan region, Mid-continent region, Gulf Coast, California region, Rocky mountain region, Alaska Region. Pg 207. Mention at least two methods of conservation of resources. Scientific use of resource, priority based use, maintaining balance between production and consumption, utilization of renewable resource instead of fund resource 3+2

**WORLD**



Scale 1:13 7412 366 1 cm = 1374.12366kms  
Mercator Projection

 Equatorial Forest Region.  
 North West Fishing Region.  
 Pacific