

Chapter: 5,9

Q.1 Choose the right option and rewrite the sentence **2**

1 Which current out of the following flow in the Indian ocean ?

- a. East Australian current b. Peru current
c. South Polar current d. Somali current

Ans Which current out of the following flow in the Indian ocean **Somali current.**

2 In which ocean does the Labrador current flow ?

- a. Pacific b. South Atlantic c. North Atlantic d. India

Ans In which ocean does the Labrador current flow **North Atlantic.**

Q.2 Answer in one sentence **2**

1 Explain the effect of -

The shape of the coast line on ocean currents.

Ans The shape of the coast line changes the direction of the ocean currents.

2 Explain the effect of -

Cold ocean currents on the movement of icebergs.

Ans Icebergs one carried away from polar region because of cold ocean currents

Q.3 Differentiate the following **2**

1 Large scale map and Small scale map

Ans	Large scale map	Small scale map
i.	When small area on the ground is shown covering a large area on the map. It is called large scale map.	When a part of the ground covers a small area on the map. It is called Small scale map.
ii.	Eg. Maps of the village, school, temple.	Eg. Maps of a country continents or world.

Q.4 State whether the given statement is right or wrong and correct the wrong one. **2**

1 Generally, surface ocean currents are formed in the equatorial region.

Ans Incorrect : Warm ocean currents are formed in the equatorial region.

2 Water becomes warm near Brazil due to ocean currents. On the other hand, it becomes cold near African coast.

Ans Incorrect : Water becomes warm near Brazil due to ocean currents, on the other hand, it becomes warm near African coast.

Q.5 Answer in detail/ brief (Any Three) **12**

1 What are the reasons responsible for the formation of deep ocean currents ?

- Ans**
- i. The temperature varies in various parts of the ocean
 - ii. Similarly the density of ocean water is not the same everywhere in the ocean.
 - iii. The difference in temperatures of various parts of the ocean is the major reason behind the deep sea currents.
 - iv. Such water comes to the surface of the sea and cold water with high density goes down.
 - v. This movement causes the deep sea water currents. This is known as thermohaline circulation.

2 Classify maps showing the following areas into small scale or large scale.

i. Building	iii. Country of India	v. Mall	vii. Garden	ix. Maharashtra State
ii. School	iv. Church	vi. World Map	viii. Dispensary	x. The north sky at night.

Ans

Large scale		Small scale	
i.	Building	i.	Country of India
ii.	School	ii.	World Map
iii.	Church	iii.	Maharashtra State
iv.	Mall	iv.	The North sky at night
v.	Garden		
vi.	Dispensary		

3 Why do the ports in the eastern coast of Canada freeze in winter?

- Ans**
- i. Labrador cold current flows along the eastern coast of Canada.
 - ii. Due to Labrador cold current, the temperature of sea water near the eastern coast of Canada decreases.
 - iii. Due to fall in temperature, the sea water along the eastern coast of Canada start freezing. As its effect, the ports in the eastern coast of Canada freeze in winter.

4 Using the map of India from the atlas, measure straight line distance between the following cities and complete the following table.

Ans

	Cities	Distance on map	Actual Distance
i.	Mumbai to Bangaluru	0.98 cm	980 km
ii.	Vijayapura to Jaipur	2 cm	2000 km
iii.	Hyderabad to Surat	0.9 cm	900 km
iv.	Ujjain to Simla	1.14 cm	1140 km
v.	Patna to Raipur	0.75 cm	750 km
vi.	Delhi to Kolkata	1 cm	1000 km