

**ICSE Board
Class VI Geography
Sample Paper – 1 Solution**

SECTION A

ANSWER 1

- i)** Schimacher
- ii)** Clouds
- iii)** Decreases
- iv)** West, East
- v)** Grand Coulee
- vi)** Higher
- vii)** Isthmus of Panama
- viii)** Sao Paulo, Minas Gerais
- ix)** Igneous
- x)** Mesosphere

ANSWER 2

- i)** b - (Weathering)
- ii)** c - (Hydrosphere)
- iii)** b - (The atmosphere is a part of the lithosphere.)
- iv)** c - (Iron and nickel)
- v)** d - (Portuguese)
- vi)** c - (Spain and Portugal)
- vii)** b - (Coniferous)
- viii)** c - (Canada)
- ix)** b - (Two)
- x)** a - (Latitude)

ANSWER 3

- i)** True
- ii)** True
- iii)** False (While locating a place on a map, we first write its latitude and then its longitude.)
- iv)** False (The Earth's orbit is an elongated circle.)
- v)** False (The 100°W meridian passes approximately through the middle of North America.)
- vi)** True
- vii)** True
- viii)** False (Large scale coffee cultivation began in Brazil only in the 1870s.)
- ix)** False (The thermosphere lies above the mesosphere.)
- x)** False (The Indian Ocean is deeper than the Atlantic Ocean.)

SECTION B**ANSWER 4**

- i)** Exogenic forces are external forces acting on the surface of the Earth through many processes such as weathering, erosion, deposition etc.
- ii)** Two conventional sources of energy which can be obtained from the oceans are petroleum and natural gas. Two non-conventional sources of energy which can be obtained from the oceans are wave energy and tidal energy.
- iii)** The stratosphere is free from water vapour and dust particles. Absence of clouds and any other factors which may contribute to turbulence in the air makes it a perfect layer for flying jet aircrafts.
- iv)** Igneous rocks are formed due to the cooling, solidification and crystallisation of magma. These rocks can be formed either on or below the Earth's surface.
- v)** Brazil is the leading producer and exporter of coffee in the world, a position which the country has held for the last hundred and fifty years. Hence it is known as 'the coffee pot of the world'.
- vi)** South America is surrounded by the Pacific Ocean in the West, the Atlantic Ocean in the East and the Caribbean Sea in the North.

- vii)** The procedure of systematic cutting and felling of trees for timber and extraction of other forest produce for commercial gains is known as lumbering.
- viii)** In the year 1492, North America was discovered by Christopher Columbus who was on an expedition to find a sea route to India. However, America was named after Amerigo Vespucci who discovered that Columbus had found the new continent of North America.
- ix)** The movement of the Earth around the Sun along its elliptical orbit, from the West to the East, once every year, is known as the revolution of the Earth.
- x)** Latitudes are parallel lines which run horizontally from the East to the West on a globe. On the other hand, longitudes are vertical lines which run from the North Pole to the South Pole on a globe.

ANSWER 5

- (i)** The following points throw light on the working of 'Six's maximum and minimum thermometer':
- a)** Six's Maximum and Minimum thermometer is a U shaped parallel tube made of glass. One side registers the maximum temperature and the other side records the minimum temperature.
 - b)** The bend at the bottom of the thermometer contains mercury which moves up or down based on the expansion and contraction of alcohol.
 - c)** When the temperature rises, the alcohol expands and pushes the mercury up the maximum column. This also pushes the mercury down in the minimum column.
 - d)** Similarly, when the temperature falls, the alcohol contracts and pulls the mercury up in the minimum column resulting in a fall of mercury in the maximum column.
 - e)** The steel indexes are located on the surface of mercury. They move up or down along with the flow of mercury.
 - f)** When the temperature reaches its maximum and minimum limits, the metal indexes remain at that place. This helps in recording the maximum and minimum temperatures of the day.

(ii)

- a) The International Date Line (IDL) is an imaginary line of longitude which lies to the east and West of the Prime Meridian. Since this longitude is diametrically opposite to that of the Greenwich Meridian, there is a difference of 24 hours on crossing the IDL.
- b) In order to avoid the confusion of having different dates (difference of 24 hours resulting in change of date) in the same country, according to the international agreement, the **International Date Line** has been approved. For this purpose, the International Date Line bends and runs zigzag at the Bering Strait between Siberia and Alaska, Fiji, Tonga and in some other islands.

(iii) The six effects of the Earth's rotation are as follows:

- a) The rotation of the Earth causes day and night. The part of the Earth facing the Sun experiences day while the part which does not face the Sun experiences night.
- b) The speed of the Earth's rotation influences the shape of the Earth. Because of the speed of its rotation, a centrifugal force is created which leads to the flattening of the Earth at the poles and bulging at its centre.
- c) The Earth's rotation affects the movement of water in the oceans and is responsible for sea tides.
- d) The speed of rotation also affects the movement of the wind. Due to the Earth's rotation, winds and ocean currents deflect to the right in the Northern Hemisphere and to the left in the Southern Hemisphere.
- e) The Earth's rotation causes a difference between the times at various places on the Earth. The difference between the times of each longitude is 4 minutes.

(iv)



(v) Canada has nearly 10% of the world's forests. Forests contribute significantly to the Canadian economy in the following ways:

- a) Timber produced by Canada is used in the manufacture of telegraph poles, building materials etc.
- b) Canada is the largest supplier of wood pulp and paper in the world, and this is a big source of income to the government.
- c) Canada also leads in news print (a low cost paper mainly used for printing newspapers and other publications) production, accounting for more than 50% of the world's exports.

(vi)

- a)** Coniferous trees are more suitable for lumbering, mainly due to the following reasons:
- i)** Coniferous trees are mainly soft wooded trees which are comparatively easier to cut.
 - ii)** The lack of dense undergrowth and creepers help in easy cutting of these trees.
- b)** Lumbering in Canada is usually carried out during winter due to the following reasons:
- i)** The sap from the trees stops flowing, making them easier to cut.
 - ii)** The felled logs can be easily collected on the frozen ground and taken to the river banks (they are transported when the ice melts).
 - iii)** Since cultivation becomes difficult during the winter, many farmers take up lumbering as an alternative occupation.