

**ICSE Board**  
**Class IX Geography**  
**Sample Paper - 1**

**Time: 2 hrs**

**Total Marks: 80**

**General Instructions:**

1. Answers to this paper must be written on the paper provided separately.
2. You will **not** be allowed to write during the first **15** minutes.  
*This time is to be spent in reading the question paper.*
3. The time given at the head of the paper is the time allotted for writing the answers.
4. Attempt **all** questions from Part I (compulsory) and **two** questions from **Section A** and **three** questions from **Section B** of Part II.
5. The intended marks of questions or parts of questions are given in brackets [ ].

**PART - I (30 Marks)**

**Question 1**

- a) Why are we able to see only one side of the Moon from the Earth? [2]
- b) What are the lines of latitudes and longitudes? [2]
- c) What is a magma chamber of a volcano? [2]
- d) Name three seasons of the tropical monsoon regions. [2]
- e) What are pollutants? Explain with the help of an example. [2]
- f) Global warming will increase the possibility of droughts. Do you agree? Give reason in support of your answer.
- g) Jet aircrafts fly in the stratosphere. Give reason. [2]
- h) What is the lithosphere? [2]
- i) What is meant by faulting? [2]
- j) State in percentages, the distribution of land and water surface on the Earth. [2]

**Question 2**

On the outline map of the World, show the following:

- a) Temperate Deserts [2]
- b) Type of local wind - Chinooks [1]
- c) Location of the Indian Ocean [1]
- d) Baltic Sea [1]
- e) Hudson Bay [1]
- f) West Margin Type of Climate [1]
- g) Mountain - Zagros [1]
- h) Plateau - Drakensberg [1]
- i) Plain - The Great Plain [1]

**PART – II (50 Marks)**

**Question 3**

- a) i. Name three types of rocks.  
ii. Mention the formation of any one type of rock. [3]
- b) i. What are plutonic rocks?  
ii. Give one example of plutonic rocks. [2]
- c) What is lithification? [2]
- d) Name two processes that lead to the formation of sedimentary rocks. [3]

**Question 4**

- a) i. What is Richter scale? [2]  
ii. State its use.
- b) Differentiate between the Richter scale and the Mercalli scale. [3]
- c) i. What is a tsunami?  
ii. How is it caused? [2]
- d) i. In which earthquake zone of the world is India located?  
ii. Which regions in India are prone to earthquakes? Give reasons. [3]

**Question 5**

- a) i. What is rotation?  
ii. Mention two characteristics of the rotation of the Earth. [2]
- b) What is the Coriolis Effect? [2]
- c) i. What is meant by equinox?  
ii. When does it happen? [3]
- d) Give reasons for the following: [3]
  - i. The month of February has 29 days in a leap year.
  - ii. Norway is called the 'Land of the midnight Sun'.
  - iii. 25<sup>th</sup> December in New Zealand may be one of the hottest days of the year.

**Question 6**

- a) i. What is denudation? [2]  
ii. Name the processes involved in it?
- b) Explain the process of frost action with the help of a diagram. [3]
- c) i. What is chemical weathering? [2]  
ii. How does it affect the rocks?
- d) Discuss three main chief characteristics of weathering. [3]

**Question 7**

- a) Which water body has the maximum salinity? Why? [2]
- b) i. What are tides? [2]  
ii. Name one factor that causes tides.
- c) Discuss any three factors that influence ocean currents. [3]
- d) State the importance of: [3]
  - i. The Labrador Current
  - ii. The Kuro Current

**Question 8**

- a) i. What is absolute humidity? [2]  
ii. How is it expressed?
- b) Explain two conditions when the air can become saturated? [2]
- c) Discuss factors that determine the amount of rainfall. [3]
- d) Discuss the seasonal distribution of rainfall. [3]

**Question 9**

- a) How can we reduce pollution by changing the raw materials? [3]
- b) What are alternative fuels? [2]
- c) How do filters work? [2]
- d) Is open dumping a suitable option for managing wastes? Why? [3]

**Question 10**

- a) What are secondary pollutants? Explain with the help of an example. [2]
- b) What are biomedical wastes? [2]
- c) Why is it harmful to dispose off household wastes into water bodies? [3]
- d) i. What is thermal pollution? [3]  
ii. In what ways humans are responsible for thermal pollution?