

**ICSE Board**  
**Class IX Geography**  
**Sample Paper - 2**

**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) Although Venus is the second planet from the Sun, it is hotter than Mercury.  
Give reason. [2]
- b) Mention two characteristics of the rotation of the Earth. [2]
- c) Why are igneous rocks also known as primary rocks? [2]
- d) What is an earthquake? [2]
- e) What is weathering? [2]
- f) Which water body has the maximum salinity? Why? [2]
- g) Why does only 51% of insolation reach the Earth's surface? [2]
- h) How does the latitude affect temperature? [2]
- i) What are urban commercial wastes? [2]
- j) Name four types of equipments that are used to control air pollution. [2]

**Question 2**

On the outline map of the World provided, mark out the following:

- a) Coniferous Forest Region [1]
- b) Savanna Regions [1]
- c) Sea of Okhotsk [1]
- d) Distribution of the Volcanic range in the South and North American Continent [1]
- e) Caledonian Folds [1]
- f) The circulation of any one current in the Pacific Ocean [1]
- g) The areas receiving rainfall of more than 1000 mm during the months of November to April [1]
- h) The Great Dividing Range [1]
- i) Aravalli Range [1]
- j) Mediterranean region in Europe [1]

**PART – II (50 Marks)****Question 3**

- a) Define the term 'natural region'. [2]
- b) Why do we divide the world into major climatic regions? [2]
- c) Discuss any three main thermal or basic natural regions of the world. [3]
- d) What local conditions produce variation in the Mediterranean type of climate? [3]

**Question 4**

- a) What is bio magnification? Explain with the help of an example. [3]
- b) i. State one effect of radioactive pollution on human health. [2]  
ii. State one effect of radioactive pollution on the environment.
- c) What are pathogens? How are they harmful? [3]
- d) Global warming will increase the possibility of droughts. Do you agree? Give reason in support of your answer. [2]

**Question 5**

- a) i. What is a sea? [3]  
ii. Name some major seas in the world.
- b) Name the following: [2]
  - i. The highest summit on land with its height.
  - ii. The deepest bottom of the ocean with its height.
- c) i. What is an island? [2]  
ii. Name one island continent.
- d) Mention any three characteristics of the Arctic Ocean. [3]

**Question 6**

- a) State three main characteristics of the Earth's core. [3]
- b) i. Describe the mantle. [3]  
ii. Describe its two main characteristics.
- c) i. Where is the asthenosphere found? [2]  
ii. In which form does it exist?
- d) How were the Himalayans formed? Explain briefly. [2]

**Question 7**

- a) You live in Lucknow located at 82° east and your friend lives in London located at 0° GMT. It is 12 noon at Lucknow. Calculate the local time in London. [2]
- b) There is a difference of four minutes per 1° longitude. Give reasons. [2]
- c) i. What is the International Date Line? [3]  
ii. Why has it been adopted?
- d) i. Define Great Circle with the help of an example. [3]  
ii. Mention the main characteristics of a Great circle.

**Question 8**

- a) How are fold mountains formed? [3]
- b) Give two examples of each of the following: [3]
  - i. Fold Mountains
  - ii. Block Mountains
  - iii. Rift Valley
- c) Discuss the theory related to plate tectonics. [2]
- d) State two chief characteristics of block mountains. [2]

**Question 9**

- a) Discuss one uses of each of the following gases: [2]
  - i. Nitrogen
  - ii. Carbon dioxide
- b) i. What is ozone layer? [2]
  - ii. State its importance.
- c) i. What are CFC's? [3]
  - ii. How do they affect our atmosphere?
- d) What is the greenhouse effect? [3]

**Question 10**

- a) i. Name two types of instruments used for measuring pressure. [3]
  - ii. State one point of difference between the two types of instruments.
- b) State Ferrel's Law. [2]
- c) i. Name the instrument which is used to indicate the direction of the wind. [3]
  - ii. How does this instrument work?
- d) Discuss the seasonal shifting of the pressure belts during summer and winter season in the Northern and the Southern Hemisphere. [2]