

**Instructions**

- 15 minutes cool-off time is allotted for reading and understanding the questions and plan your answers.
- You must answer all 6 questions and answer all the sub questions.
- Questions 1 and 4 of have two options (A & B). You need to answer any one.

1.(A) Based on temperature differences, the Earth's atmosphere is divided into 5 different layers.

- Which layer of the atmosphere can prevent ultraviolet rays from reaching the Earth.
 A. Troposphere B. Stratosphere
 C. Mesosphere D. Thermosphere
- Why is it said that Troposphere is the most important layer among the atmospheric layers?
- Write the following layers of the atmosphere in order from the Earth's surface to upwards.

Thermosphere, Troposphere
 Mesosphere, Stratosphere

OR

1.(B) Humans have only been able to reach about 12 kilometers into the Earth's interior.

- Why can't we travel further into the Earth's interior?
- What are the things that help us get more information about the interior of Earth?
- What parts of the Earth's interior make up the Lithosphere?
 A. Outer core and Inner core B. Mantle and Core
 C. Continental Crust and Oceanic Crust D. Crust and upper part of the Mantle

2. Discrimination hinders social progress.

- Article 14 of the Indian Constitution guarantees which right to citizens.
 A. Freedom B. Equality
 C. Education D. Movement
- Prepare 4 placards with slogans that reflect the concept "A society that considers everyone".

3. Minerals are metallic and non metallic compounds found in the Earth's crust.

a) Which mineral is used to make aircraft?

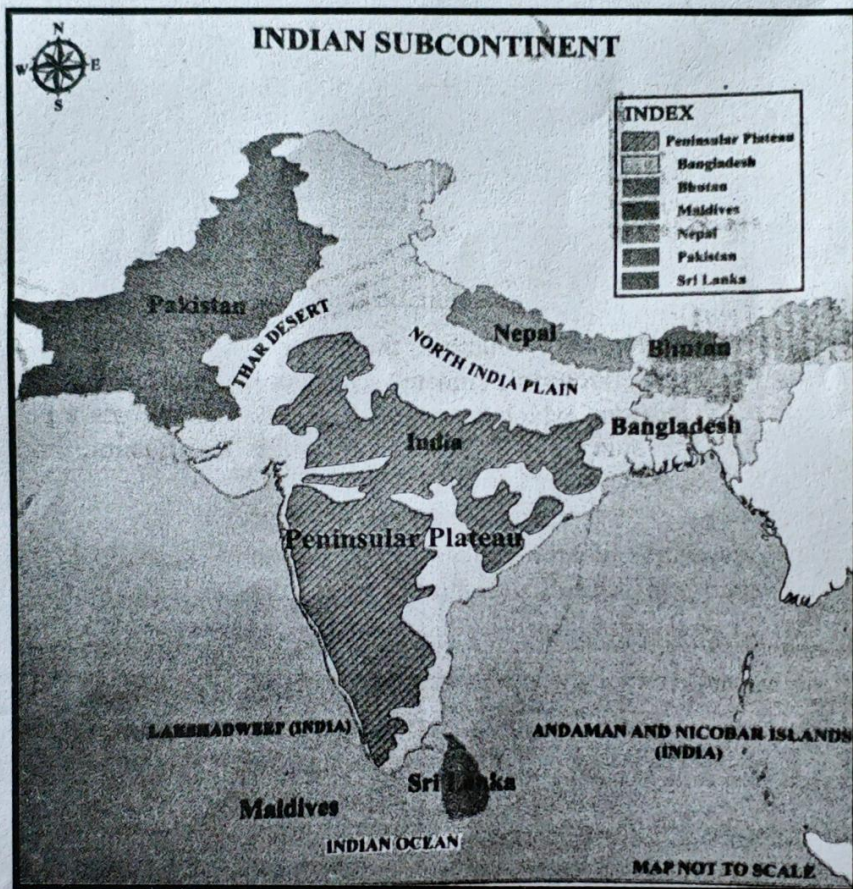
- A. Silica B. Hematite
C. Diamond D. Bauxite

b) Fill in the table with metallic, non metallic and fuel minerals.

Diamond, Hematite, Calamine, Coal, Silica

Categories	Name of minerals
Metallic mineral	
Non – Metallic mineral	
Fuel minerals	

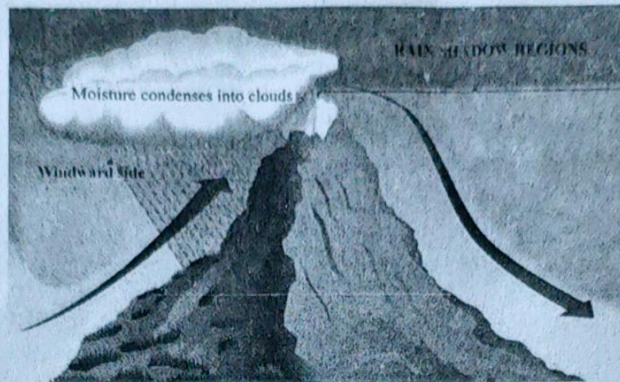
4. (A) Observe the outline of the Indian subcontinent.



- a) What are the reasons for describing Indian subcontinent as a subcontinent?
b) Why are the Northern Indian plains fertile?

OR

4. (B)

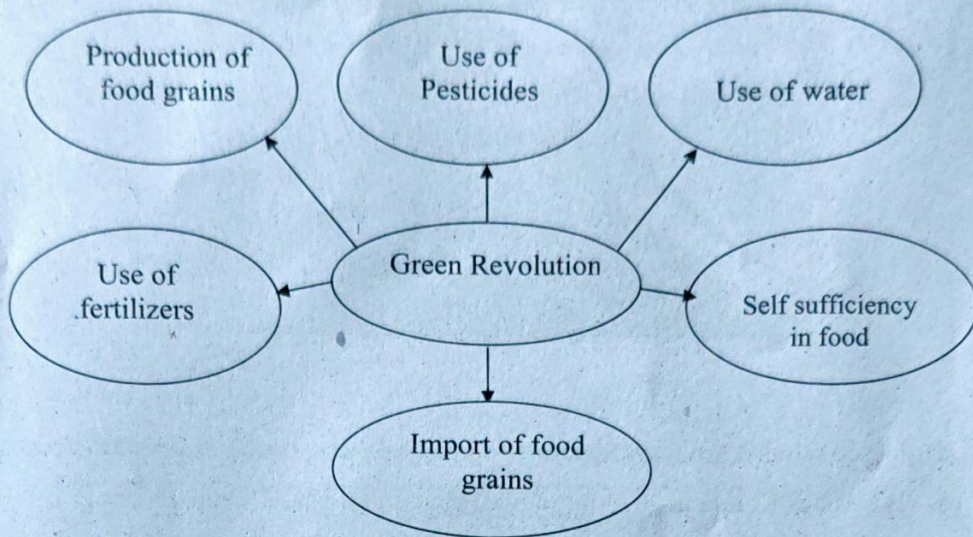


- a) Describe what are Rain Shadow Regions based on the clues given in the picture.
- b) Why does Kerala have more rainfall than Tamil Nadu? Prepare a note.
- c) Which of the following crops need more rain?
 - A. Rice
 - B. Wheat
 - C. Cereals
 - D. Mustard

5. **Democracy becomes meaningful only when power is decentralised.**

- a) Write the correct statements regarding decentralisation
 - i. Only a certain class of people interfere in administrative matters.
 - ii. Importance given to local development.
 - iii. Development is limited to some areas.
 - iv. The public gains power and participation in governance.
 - A. (ii and iv are correct)
 - B. (i and ii are correct)
 - C. (iii and iv are correct)
 - D. (i and iv are correct)
- b) "The soul of India lies in the villages". What do these words of Gandhiji mean? Explain.
- c) Which article in the Indian Constitution deals with the formation of Panchayaths?
 - A. Article 14
 - B. Article 15
 - C. Article 40
 - D. Article 74

6. The Green Revolution brought about drastic changes in food production.



- a) Prepare a note explaining the benefits of the Green Revolution using the indicators in the word web.
- b) Write the name of two government schemes that provide employment opportunities and income to adult members of low - income families.