



## Daily Subjectwise Quiz Day 5 Geography V (Online Prelims Test)

1) Which of the following statements is/are correct about Block Mountains

1. Block Mountains are created when large areas are broken and displaced vertically.
2. Himalayan Mountains and the Alps are example of block Mountains.

Select the correct answer using codes below:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

### Types of Mountains

- Fold mountains are created when two plates collide which is the case with Himalayas.
- The Himalayan Mountains and the Alps are young fold mountains with rugged relief and high conical peaks.
- The Aravalli range in India is one of the oldest fold mountain systems in the world.
- Block Mountains are created when large areas are broken and displaced vertically.
- The Black Forests of Germany, the Vosges of France and the Satpura of India are some notable examples of block mountains.

2) Consider the following statements with respect to Endogenic & Exogenic Forces?

1. The movement of interior plates of earth causes change in surface of earth which happens under the influence Endogenic force.
2. Sea waves comes under Endogenic force and earthquakes comes under Exogenic force.

Which of the statement(s) given above is/are incorrect?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : b

### Endogenic & Exogenic Forces

- The forces that work on the surface of the earth are called exogenic forces, the forces that act in the interior of the earth are called endogenic forces.
- The land-forms of the earth are a result of the endogenic and exogenic forces.
- As movement of interior plates causes earthquake and other brings about changes in the way

the tectonic plates are arranged which in turn brings about changes in the earth's surface.

- Sea waves are outer surface phenomenon which is Exogenic.

3) Consider the following statements with respect to Glacial landforms

1. Moraines are accumulations of dirt and rocks that have fallen onto the glacier surface.
2. Loess is a type of silt which forms fertile topsoil in some parts of the world.

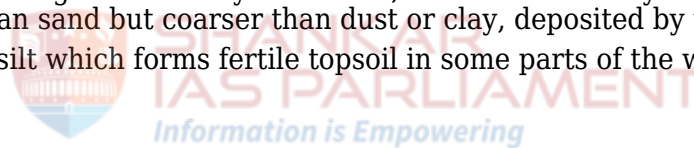
Which of the statement(s) given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

## Glacial landforms

- Moraines are accumulations of dirt and rocks that have fallen onto the glacier surface or have been pushed along by the glacier as it moves.
- The dirt and rocks composing moraines can range in size from powdery silt to large rocks and boulders.
- A receding glacier can leave behind moraines that are visible long after the glacier retreats.
- Loess consists of tiny mineral particles brought by wind to the places where they now lie.
- It is a product of past glacial activity in an area, It is a sedimentary deposit of mineral particles which are finer than sand but coarser than dust or clay, deposited by the wind.
- Loess is a type of silt which forms fertile topsoil in some parts of the world.



4) Which of the following statements is/are correct about Glacial Cycle of Erosion?

1. In Youth stage is marked by the inward cutting activity of ice in a cirque.
2. In Maturity Hanging valleys start emerging.
3. Emergence of a 'U'-shaped valley marks the beginning of old age.

Select the correct answer using codes below:

- a. 1 & 3 only
- b. 1, & 2 only
- c. 2 & 3 only
- d. All of the above

Answer : d

## Glacial Cycle of Erosion

- **Youth** - The stage is marked by the inward cutting activity of ice in a cirque.
- Aretes and horns are emerging, the hanging valleys are not prominent at this stage.
- **Maturity** - Hanging valleys start emerging, the opposite cirques come closer and the glacial trough acquires a stepped profile which is regular and graded.
- **Old Age** - Emergence of a 'U'-shaped valley marks the beginning of old age.
- An outwash plain with features such as eskers, kame terraces, drumlins, kettle holes etc. is a prominent development.

5) Consider the following statements with respect to Hanging Valley

1. It is a valley carved out by a small tributary glacier that joins with a valley carved out by a much larger glacier.
2. They have high volume of ice than the main glaciers and their rate of erosion is very rapid.

Select the correct answer from the following codes

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

### **Hanging Valley**

- A hanging valley is a tributary valley that is higher than the main valley.
- They are most commonly associated with U-shaped valleys when a tributary glacier flows into a glacier of larger volume.
- Just like tributary streams of the river, there are tributary the glaciers also which join the main glacier after moving over their mountainous path.
- They have less volume of ice than the main glaciers and thus their rate of erosion is less rapid.
- As a result, their valleys are smaller and not as deep as that of the main glacier.

