

Corrigendum/Explanation SFG 2024 Level 1 Test 29

Number of items taken for scoring: 49

Number of items dropped: 01 (Question no. 28)

In Q.28 due to technical error, the options were not visible.

For Future Reference:

Q.28) Consider the following geomorphic processes:

1. Epeirogeny
2. Orogenic
3. Earthquakes
4. Volcanic eruption
5. Crustal plates movement along transform boundaries

How many of the above are classified under the process of diastrophism?

- a) Only two
- b) Only three
- c) Only four
- d) All five

Ans) c

Exp) Option c is the correct answer.

Geomorphic processes are the physical and chemical actions driven by endogenic and exogenic forces that shape and alter the Earth's surface. Diastrophism is an endogenic force which refers to all processes originating deep within the Earth that move, uplift, or deform the Earth's crust. diastrophic forces include both vertical and horizontal movements

Option 1 is correct: Epeirogeny is a type of diastrophic process involving the vertical uplift or subsidence of large regions of the Earth's crust, leading to broad, continent-scale warping with minimal folding or faulting.

Option 2 is correct: Orogeny is a diastrophic process involving the formation of mountains through intense deformation, including folding and faulting, typically affecting elongated regions of the Earth's crust.

Option 3 is correct: Earthquakes result from tectonic movements such as faulting and are **included under diastrophism.**

Option 4 is incorrect: Volcanic activity is not considered part of diastrophism as it involves the expulsion of magma, ash, and gases, which is a separate **geomorphic process called volcanism.** Volcanism led to formation of many intrusive and extrusive volcanic forms.

Option 5 is correct: Horizontal plate movements, such as those at transform boundaries (sliding), **divergent boundaries** (spreading), and **convergent boundaries** (collision), result in **deformation of earth crust and thus become part of diastrophism.**

Source: <https://ncert.nic.in/textbook/pdf/kegy205.pdf>

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