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# PYQs on Earthquake and Volcanic Activities



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Point of Origin of Earthquake Wave is known as

- (a) Epicentre.
- (b) Focus.
- (c) Photosphere.
- (d) Seismic Zone.



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Which of the following statements is/are correct ?

1. Hypocenter is the point on the surface of the Earth, nearest to the focus.
2. Velocity of earthquake waves is higher in denser materials.
3. P waves move faster and are the first to arrive at the surface of the Earth.

Select the correct answer using the code given below :

- (a) 1 and 2
- (b) 2 and 3
- (c) 1 and 3
- (d) 3 only



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A large body of magmatic material that cools in the deeper depth of the Earth's crust and develops in the form of large domes is known as

- (a) Batholiths.
- (b) Lacoliths.
- (c) Lopoliths.
- (d) Phacoliths.







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*Statement I:* Volcanic eruption is accompanied by earthquakes.

*Statement II:* Volcanoes erupt water vapours and dust particles in the atmosphere.

**Code :**

- (a) Both the Statements are individually true and Statement II is the correct explanation of Statement I.
- (b) Both the Statements are individually true but Statement II is **not** the correct explanation of Statement I.
- (c) Statement I is true but Statement II is false.
- (d) Statement I is false but Statement II is true.



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Advantage(s) of tectonic activity in Iceland include(s) :

1. Source of natural geothermal energy
2. Creation of new land
3. Attraction of tourists

Select the correct answer using the code given below :

- (a) 1 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3



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Which of the following statements about Ring of Fire is/are correct ?

1. It is a zone of convergence plate boundaries
2. It is an active seismic and volcanic zone
3. It is associated with deep trench

Select the correct answer using the code given below :

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 only
- (d) 1, 2 and 3