

TEST - 20 (IPM 2021)

1. Consider the following statements regarding Seismic Waves

1. Rayleigh wave is the fastest surface wave and moves the ground from side-to-side.
 2. A Love wave rolls along the ground just like a wave rolls across a lake or an ocean.
- Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

2. Consider the following statements regarding crust of earth

1. Oceanic crust is denser than Continental crust.
 2. Silicate and magnesium are the most abundant minerals in oceanic crust.
 3. The transition zone between these two types of crust is called the Mohorovicic discontinuity.
- Which of the statements given above are correct?

A. 1 and 2 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

3. Consider the following statements regarding Endogenic Forces

1. Endogenic forces are those internal forces which derive their strength from the earth's interior.
 2. Endogenic forces are mainly land wearing forces.
- Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

4. Which of the following factors affects Delta Formation?

1. Tectonic stability 2. River slope 3. Tidal range 4. Sediment sources

Select the correct answer using the code given below:

A. 1, 2 and 3 only B. 2, 3 and 4 only C. 1, 2 and 4 only D. 1, 2, 3 and 4

5. Which of the following are depositional landforms due to Glaciers?

1. Arete 2. Eskers 3. Drumlins

Which of the statements given above are correct?

A. 1 and 2 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

6. Which of the following are block mountains?

1. Cascade Range in the USA 2. Great African Rift Valley 3. Vosges mountains in France

Which of the statements given above are correct?

A. 1 and 2 only B. 2 and 3 only C. 1 and 3 only D. 1, 2 and 3

7. Consider the following statements regarding lavas

1. Basaltic lava flow slowly and seldom travel far before solidifying.
2. Basaltic lava flow is common along the constructive boundaries (divergent boundary).

Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

8. Consider the following statements

1. Water at high pressure smoothly flows to the top through the vent and condenses at the surface giving rise to a Geyser.
2. Generally, geysers are located near active volcanic areas.

Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

9. Consider the following statements regarding drainage patterns

1. A drainage pattern is described as discordant if it does not correlate to the topology and geology of the area.
2. Antecedent Drainage cuts through the newly formed landform and maintains the same path.

Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2

10. Consider the following statements regarding Paleomagnetism

1. Paleomagnetism is the study of the record of the earth's magnetic field with the help of magnetic fields recorded in rocks.
2. Basalt contains magnetic minerals, and as the rock is solidifying, these minerals align themselves in the direction of the magnetic field.

Which of the statements given above is/are correct?

A. 1 only B. 2 only C. Both 1 and 2 D. Neither 1 nor 2