

GEOMORPHOLOGY & EARTH LANDFORMS BASED INDIAN GEOGRAPHY MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Lake formed in a cut off river, meander is called:

- a) Ox-Bow Lake
 - b) Playa Lake
 - c) Crater Lake
 - d) Meteoric Lake
-

Q2. Oil is found in petroliferous rock. Which one among the following structures demonstrates an ideal trap?

- a) Synclinal structure
 - b) Horizontal structure
 - c) Anticlinal structure
 - d) Fault structure
-

Q3. With reference to **Kober's Theory of Geosyncline**, consider the following **Term and Meaning**:

- 1. Orogen : Geosyncline
- 2. Kratogen : Foreland
- 3. Randketten : Marginal ranges

Which of the pairs given above is/are **correctly matched**?

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

Q4. Three mountain ranges determining boundary between India and Myanmar are

- a) Great Dividing range
- b) Khasi, Patkoi and Arakan Yoma
- c) None of the above
- d) Akai Mountain range

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Q5. Consider the following statements and select the correct answer from the codes given below:

Assertion (A):

New folded mountains are also called Tertiary Mountains.

Reason (R):

They are mainly formed along the constructive plate margins. ,

Codes:

- a) A is true, but R is false.
- b) Both A and R are true and R is the correct explanation of A.
- c) A is false, but R is true.
- d) Both A and R are true, but R is not the correct explanation of A.

Q6. The longest day in Northern hemisphere is

- a) 22 December
- b) 21 May
- c) 25 December
- d) 21 June

Q7. 'Esker' is a geomorphic feature developed by

- a) glaciofluvial deposits
 - b) mechanical weathering
 - c) aeolian deposits
 - d) river action
-

Q8. The highest grade and best quality **coal** is

- a) Bituminous
 - b) Lignite
 - c) Anthracite
 - d) Peat
-

Q9. What is the name of mid-latitude grassland in South America?

- a) Veld
 - b) Prairie
 - c) Steppes
 - d) Pampas
-

Q10. **Hanging Valley** is formed due to the action of

- a) Ocean
 - b) Glacier
 - c) Wind
 - d) River
-

Q11. The largest desert of South Asia is

- a) Kalahari
- b) Atacama
- c) Thar

d) Colorado

Q12. Desert is defined as the area where

- a) Annual rain occurs less than 25 cm
- b) Temperature remains more than 42° C
- c) Prominance of sand barrows
- d) No plants are found

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Q13. Earthquakes are important in landform studies because they can **trigger catastrophic events** like

1. landslides and mudflows
2. Glacier surges
3. Tsunamis causing damage and shoreline changes

Select the **correct** answer from the codes given below.

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

Q14. Richter Scale is used to measure

- a) Velocity of Space-craft
 - b) Intensity of Earthquake
 - c) Height of a building
 - d) Depth of Ocean
-

Q15. What is true of **sedimentary rocks**?

1. they are layered.
2. they contain fossils.
3. they have transported rocks.
4. many of these are formed in water bodies.

- a) 1 and 4
- b) 1, 2 and 3
- c) all the above
- d) 1, 2 and 4

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Answers to the above questions :

Q1. Answer: (a)

An oxbow lake is a U-shaped body of water formed when a wide meander from the main stem of a river is cut off to create a lake. This landform is called an oxbow lake for the distinctive curved shape, named after part of a yoke for oxen.

Q2. Answer: (d)

Fault trap is a kind of structural trap. Here, the fracture and slippage of rock along a fault line may bring an impermeable stratum in contact with a layer of permeable reservoir rock and thus forms a barrier to petroleum migration.

Q3. Answer: (c)

A geosyncline may be defined as "a thick, rapidly accumulating body of sediment formed within a long, narrow, subsiding belt of the sea which is usually parallel to a plate margin". (Oxford Dictionary of Geography).

Or we may say a geosyncline is a "very large linear depression or down-warping of the earth's crust, filled (especially in the central zone) with a deep layer of sediments derived from the landmasses on each side and deposited on the floor of the depression at approximately the same rate as it slowly, continuously subsided during a long period of geological time".

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Q4. Answer: (c)

Q5. Answer: (a)

New folded mountains are also called Tertiary Mountains. All the old folded mountains were originated before the Tertiary period. The folded mountains of Caledonian and Hercynian mountain-building periods come under this category.

These mountains have been so greatly denuded that they have now become relict folded mountains, for example, Aravallis, Vindhyachal etc.

The Alpine folded mountains of the Tertiary period are grouped under the category of new folded mountains, for example, Rockies, Andes, Alps, and Himalayas etc.

Q6. Answer: (d)

Q7. Answer: (a)

Esker – A narrow, sinuous ridge of partly stratified coarse sand and gravel of glaciofluvial origin.

Q8. Answer: (c)

Anthracite is usually considered to be the highest grade of coal and is actually considered to be metamorphic.

Compared to other coals it is much harder, has a glassy lustre, and is denser and blacker with few impurities. It is largely used for heating domestically as it burns with little smoke.

Q9. Answer: (d)

Q10. Answer: (b)

A hanging valley is a tributary valley with the floor at a higher relief than the main channel into which it flows. They are most commonly associated with U-shaped valleys when a tributary glacier flows into a glacier of larger volume.

The main glacier erodes a deep U-shaped valley with nearly vertical sides while the tributary glacier, with a smaller volume of ice, makes a shallower U-shaped valley. Since the surfaces of the glaciers were originally at the same elevation, the shallower valley appears to be 'hanging' above the main valley

Q11. Answer: (c)

Q12. Answer: (a)

Q13. Answer: (b)

Earthquakes are important in landform studies because they can trigger off catastrophic events in erosion processes.

These include large-scale landslides and mudflows, as in Peru in 1970. A number of spectacular glacier surges have been observed in Alaska, and some are thought to be associated with earthquakes.

Q14. Answer: (b)

Q15. Answer: (c)

Sedimentary rocks are types of rock that are formed by the deposition and subsequent cementation of that material at the Earth's surface and within bodies of water.

Sedimentation is the collective name for processes that cause mineral and/or organic particles (detritus) to settle in place.

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