

Class XI

Chapter 3- Interior of the Earth

Q1. How gravitational force, magnetic field and seismic activity do helps to understand the interior structure of the earth?

Q2. With the help of suitable diagram, discuss the structure of the earth.

Q3. Define the two types of endogenic processes.

Q4. Give one word for the following statements-

- a. A type of volcano which develops cinder cone.
- b. Explosive volcanoes, which collapse on themselves, rather than building any tall structures.
- c. Central portion of ridge experiences frequent eruptions.
- d. Rocks cooling in the crust
- e. Large body of magmatic material that cools in the deeper depths of crust and forms into large domes.
- f. A type of intrusive landform that led the development of Deccan traps.

Chapter 4- Distribution of Oceans and Continents

Q1. Discuss briefly the major difference between Continental Drift Theory and Plate Tectonics.

Q2. Discuss the division of the ocean floor.

Q3. Discuss the three types of plate's boundaries.

Q4. On a World map, mark the following-

- a. 7 continents
- b. World oceans
- c. Major & minor plates along with three boundaries
- d. Red Sea, Black Sea, Mediterranean Sea, Baltic Sea & Caspian Sea.
- e. Major Earthquake and Volcanic zones.

Chapter 5- Minerals and Rocks

Q1. Classify the major minerals under the following heads in a tabular form-

Name of the mineral; Major elements; Properties/ Characteristics; Uses

Q2. What are Rocks? How is it different from Minerals?

Q3. Briefly discuss the formation of three types of rocks. Give a self explanatory diagram of rock cycle.

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Online Assignment -2 (2014-15)

Chapter 6-Geomorphic Processes

Q1. What is Diastrophism? Discuss its types.

Q2. What is weathering? Write a short note on the significance of this process.

Q3. Why debris avalanches and landslides occur very frequently in the Himalayas as compared to Western Ghats and Nilgiris.

Q4. Give one word for the following statements-

- a. Force applied per unit area.
- b. Weathering of rocks due to combination of mineral with oxygen to form oxides or hydroxides.
- c. Large smooth rounded domes resulted due to unloading and expansion.
- d. Salt in rocks expands due to thermal action, hydration and crystallisation.
- e. Water or acid with dissolved contents.

Q5. What are Mass Movements? Discuss the two major classes of mass movements.

Q6. Discuss the soil formation. Enlist the factors controlling the formation of soils.

Chapter 7- Landforms and their Evolution

Q1. On the basis of different geomorphic regimes, classify the Erosional and Depositional Landforms of each along with suitable diagrams.

Chapter 8- Atmosphere- Composition & Structure

Q1. Define Atmosphere. Discuss its 3 stages of evolution. Briefly discuss the components of atmosphere.

Q2. Distinguish between Weather & Climate

Q3. Draw a well explanatory diagram of structure of the Earth.

Q4. Give one word for the following-

- a. Acts as a blanket to the earth, allowing the temperatures to be neutral.
- b. Large particles responsible for red and orange colours at sunrise and sunset.
- c. temperatures drop at rate of 1oC for 165m of height.
- d. Suitable temperature conditions for flying jet crafts.
- e. Radio waves transmitted from this layer to earth & reflected back.
- f. Layer extending above mesopause and continues till the edge.