

NATURE'S TREASURE

Situation based Questions

Q1.A farmer in the Ganga plains grows wheat successfully, while another farmer in Rajasthan struggles to grow crops in sandy soil.

- a) Why does the Ganga plain soil support better crop growth?
- b) Why is sandy soil less suitable for crops?

Q2. Ritu saw ornaments of diamond and gold in a jewellery shop. On the way, she saw coal being used in a dhaba stove.

Both diamond and coal are forms of carbon. Why is diamond used in jewellery but coal is not?

Q3.X is used for roofing houses in villages.

Y is used as building bricks in some regions.

Z is used in flooring and sculptures, and it shines when polished.

Identify X, Y, Z.

Q4.Assertion (A): The Taj Mahal is made of white marble because marble is strong, durable, and can be polished to shine beautifully.

Reason (R): Many old forts are made of sandstone because sandstone is easy to cut, carve, and was easily available.

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

Q5.Assertion (A): The rocks near the riverbank that contain sand, pebbles, and shells are igneous rock.

Reason (R): Sedimentary rocks are formed by the deposition of sand, silt, and remains of plants and animals in layers over millions of years.

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

Q6.Assertion (A): Marble is a metamorphic rock.

Reason (R): Marble is formed when limestone undergoes heat and pressure inside the Earth

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