

Answer Key Test - 1 (Class 6th)

Section - A (Science)

1. Fill in the blanks :

(5 × 1 = 5)

- (a) 85%
- (b) fixed, volume
- (c) low calcium
- (d) Soil
- (e) ores

2. Answer the following questions:

(5 × 1 = 5)

- (a) Spinal cord is a collection of nerves which emerges from the base of the brain and runs along the length of the backbone.
- (b) When we cool down a substance, kinetic energy of its molecules decreases. Due to this decreased movement, intermolecular spacing decreases. This causes contraction in its dimensions. Thus, decrease in the dimensions of a substance on cooling is called contraction.
- (c) Fracture occurs when a bone breaks. It can be identified by the bruising and inflammation at the site of injury, abnormally twisted limb or severe pain in movement of the area.
- (d) The removal of fertile topsoil from a region by wind, rain water is called soil erosion.
- (e) The centre of the earth is made of hot molten rock. This hot molten rock inside the earth called magma.

Section - B (Mathematics)

1. Multiple choice questions

(6 × 1 = 6)

- 1. (b)
- 2. (c)
- 3. (a)
- 4. (a)
- 5. 9 cm
- 6. (d)

2. Fill in the blanks

(4 × 1 = 4)

- 1. 180°
- 2. 10000
- 3. Proper fraction

4. Loss

3. Answer the following questions:

(5 of $\times 2 = 10$)

(a) Because pot required is with maximum capacity hence we calculate the greatest divisor of capacities of both cans.

Se we need to find H.C.F of 40 and 60.

$$40 = 2 \times 2 \times 2 \times 5$$

$$60 = 2 \times 2 \times 3 \times 5$$

$$\text{H.C.F.} = 2 \times 2 \times 5 = 20$$

Hence pot of capacity 20L is required.

(b) yes

(c) A = Rs 9000

$$P = \text{Rs } 7000$$

$$SI = A - P = 9000 - 7000 = \text{Rs } 2000$$

$$T = 2 \text{ years}$$

$$R = ?$$

$$SI = (P \times R \times T) / 100$$

$$R = (SI \times 100) / (P \times T)$$

$$R = (2000 \times 100 / 7000 \times 2) = 14.29 \%$$

$$\text{Thus, } R = 14.29\%$$

(d) Area of the rectangle = Length \times Breadth

$$= 12 \text{ m} \times 21 \text{ m}$$

$$= 252 \text{ sq m}$$

(e) If two parallel lines are intersected by a transversal then:

(a) Its vertically opposite angles are always equal

(b) Its corresponding angles are equal

(c) Its alternate exterior and interior angles are equal

Section - C (English)

Direction (1 - 5): Fill in the gaps with the genders in opposite to the words given in the brackets: (5 \times 2 = 10)

1. son

2. wife

3. price
4. she
5. brother

2. Fill in the blanks with at / on / in:

(5 × 2 = 10)

1. on.
2. in.
3. at.
4. on.
5. in.

Section - D (Social Science)

1. Answer the following:

(5 × 2 = 10)

1. Torrid zone, Temperate zone, Frigid Zone.
2. The climate of a place is influenced by several factors:
 - (a) Latitude or distance from the equator.
 - (b) Altitude or height above the sea level.
 - (c) Distance from the sea.
 - (d) Humidity
 - (e) Direction of winds.
3. The Greenwich, a place near London as the starting point for numbering meridians.
4. Effects of Earth's revolution include the seasons and variation in the length of days and nights. In addition to revolution, the tilt of Earth's axis relative to its plane of orbit has a profound effect on Earth.
5. Earthquakes are violent vibration or tremors on the surface of the earth. These tremors are both minor and major in intensity. Minor earthquakes happen every day but we do not feel them. But major earthquakes are the most dangerous, widespread and destructive of all natural disasters. It is quite difficult to predict when an earthquake will occur.