Section – A (Science)

1. Fill in the blanks :   **(5 × 1 = 5)**

(a) intelligence

(b) Molecules

(c) encourages

(d) bedrock

(e) marble

2. Answer the following questions: **(5 × 1 = 5)**

(a) Nerves are a bundle of fibres made up of nerve cells. They run across the body, forming a network and transfer information between the nervous system and the rest of the body.

(b) Matter is something that has mass and occupies space. Its molecular arrangement decides its state and properties. Stone, wood, water, air, etc. are the different forms of matter that exist around us.

(c) First aid, as the name suggests, is the foremost help given to a victim of sudden injury or illness.

(d) Soil is a layer of small particles of broken rocks, organic matter and minerals along with some amount of water and air.

(e) Repeated heating and cooling of mountains by rain, wind and sunlight break the rocks. These small pieces of rocks are carried down by rivers and strong wind into lakes and seas. They sink to the bottom and settle down to form layers called sediments.

Section – B (Mathematics)

1. Multiple choice questions   **(6 × 1 = 6)**

1. (c)

2. (b)

3. (c)

4. (c)

5. 20 cm

6. (a)

2. Fill in the blanks   **(4 × 1 = 4)**

1. 90°

2. Area

3. Whole

4. Profit

3. Answer the following questions: **(5 of× 2 = 10)**

(a) Multiples of 3 are 3, 6, 9, 12, 15, 18, 21 24

Multiples of 4 are 4, 8, 12, 18, 20, 24, 28, 32, 36

Multiples of 6 are 6, 12, 18, 24, 30, 36, 42, 48

Common multiples of (3, 4 and 6) are 12, 24, 36, 48

(b) $\frac{0}{8}, \frac{1}{7}, \frac{2}{6}, \frac{3}{5}$ …….. such 8 fractions are possible

(c) P = Rs 50,000

  R = 3.5%

  T = 3 years

  SI = (P × R ×T) / 100 = (50,000× 3.5 ×3) / 100 = Rs 5250

(d) Area of the rectangle = Length × Breadth

  = 3 × 4 cm

  = 12 sq cm

(e) Lines are figures that are made up of infinite points extending indefinitely in both directions. The types of lines are:

  (a) Horizontal line

  (b) Vertical line

  (c) Parallel line

  (d) Perpendicular line

Section – C (English)

Direction (1 – 5): Fill in the gaps with the genders in opposite to the words given in the brackets: **(5 × 2 = 10)**

1. father

2. horse

3. men

4. girl

5. women

Direction (6 – 10): Fill in the blanks with the proper form of verb in the brackets. Use only present tense. **(5 × 2 = 10)**

6. has

7. is

8. is

9. needs

10. has

Section – D (Social Science)

1. Answer the following: (5 × 2 = **10**)

1. Water contents in the air are known as humidity.

2. The rays of the sun heat the oceans. The ocean water evaporates and rises in the air. The water vapors cool and condense to become droplets which form cloud. If enough water condenses, the drops become heavy. They fall on the earth in form of rain

3. Japan

4. The five major parallels of latitudes from north to south are called: Arctic Circle, Tropic of Cancer, Equator, Tropic of Capricorn, and the Antarctic Circle.

5. Disaster us a calamity often causing sudden, widespread and serious damage to life and property. Earthquakes, Tsunamis, Volcanic eruptions, Floods, Droughts, Cyclones, Landslides and Forest fires are forms of natural disasters.