

SECTION - A

1. Fill in the blank :

(1x5 = 5)

- (a) The amount of surface enclosed by a closed figure is called it's -----
(b) A ----- fraction has a combination of whole and a part.
(c) An angle whose measure is the sum of the measures of two right angles is -----
(d) In a cube, two faces meet at a line segment called an -----
(e) A ----- is a collection of numbers gathered to give some information.

2. Solve the following :

(1x5 = 5)

- (a) Write any two equivalent fractions of $\frac{5}{11}$.

- (b) Arrange following fractions in ascending order

i) $\frac{15}{19}, \frac{12}{19}, \frac{6}{19}, \frac{3}{19}$

ii) $\frac{5}{7}, \frac{5}{9}, \frac{5}{11}, \frac{5}{13}$

- (c) Find the perimeter of a regular hexagon, if each side measures 4 cm .
(d) Frame algebraic expression of: -5 is added to y.
(f) Draw a rough sketch of octagon. Draw a rectangle by joining exactly any four of the vertices of the octagon.

SECTION - B

Question numbers 3 to 10 carry 2 marks each.

(2x8 = 16)

3. Divide Rs 90 in the ratio of 3:7 .
4. Find the value of x if $\frac{x}{5} = 11$.
5. Compare the fraction $\frac{3}{4}$ and $\frac{5}{12}$.
6. Write the common factors of 18 and 24.
7. Write all the integers lie in between :

- a) -3 and 2 b) 5 and -2
8. Find the side of a square shaped tile with perimeter of 176 cm.
9. Check the divisibility of 217096 by 11.
10. How many right angles can you make, if you face south and start moving anti- clock wise to west?

SECTION - C

Question numbers 11 to 20 carry 3 marks each.

(3x10 = 30)

11. Solve $\frac{7}{12} + \frac{3}{18}$.
12. If eight ball pens cost Rs. 64, what will be the cost of 12 pens?
13. Thirty people of a locality contributed the following amount of money (in rupees) for charity:
1500, 500, 1500, 1000, 500, 500, 2000, 1500, 500, 1000, 1000, 1500, 500, 500, 1000, 1000,
500, 500, 2000, 1500, 500, 500, 1000, 500, 1500, 1000, 500, 500, 2000, 500.
- (a) Arrange the following data in a tabular form using tally marks.
- (b) How many people contributed more than Rs. 500?
14. Represent on the number line:
- (a) $\frac{11}{5}$ (b) $\frac{7}{9}$ (c) $\frac{1}{4}$
15. Write integers to represent following situations:
- (a) 4°C below zero.
- (b) 200 m above sea level.
- (c) Loss of Rs. 695.
16. Find the LCM of 15, 20, and 30.
17. Solve:
- (a) $9 + (-6)$ (b) $-37 - (-24)$
18. Write the simplest form of $\frac{48}{72}$ by using HCF method.

19. The ratio of weights of Shruti and Amrita is 3: 4. If Amrita weighs 72 kg, then find Shruti's weight.
20. Sweety runs around a square park of side 75m. Bulbul runs around a rectangular park with length 60m and breadth 45m. Who covers less distance?

SECTION - D

Question numbers 21 to 26 carry 4 marks each.

(4x6 = 24)

21. A rectangular land 180 m long and 50 m wide is to be covered with tiles of length 15m and width 5m. Find the number of tiles required to cover the land.
22. Amar earns Rs. 7500 in a year and spends Rs. 6300 in a year. Find the ratio of:
- (a) his income to his expenditure.
- (b) his saving to his income.
23. Puneet covered $\frac{1}{5}$ of his journey by car and $\frac{1}{2}$ by bus.
- (a) How much of the journey has he covered?
- (b) How much more did he travel by car than by bus?
24. If Meera's present age is to be 'y' years, then
- (a) What will be her age after 6 years from now?
- (b) What was her age 2 years back?
- (c) Meera's grandfather's age is 6 times her age. What will be the age of her grandfather?
- (d) Meera's father's age is 5 years more than 3 times Meera's age. What will be her father's age?
25. In a walking competition, three people step off together. Their respective measures of steps are 90cm, 80cm, 85cm respectively. At what distance from the starting point will they again step off together?
26. The following table shows the marks obtained by Sumit in the annual examination:

English	Hindi	Science	Maths	Social Science	Sanskrit
40	60	40	70	50	55

Draw a bar graph to show the above information.