

DAV BR PUBLIC SCHOOL, BINA
ANNUAL EXAM PRACTICE PAPER (2023-24)

Class: VI
Time – 2:00 Hrs

Subject: Maths
MM- 50

1 x 6 = 6

Q -1 CHOOSE THE CORRECT ANSWER:-

- a) Which of the following is a formula of Area of a rectangle :
- i) $S \times S$ ii) $2(L + B)$ iii) $L \times B$ iv) $4 \times S$
- b) Which of the following number is divisible by 6 :
- i) 543 ii) 345 iii) 534 iv) 453
- c) Value of $-16 + 18 - 7 + 12$ is :
- i) -5 ii) -9 iii) 3 iv) 7
- d) An algebraic expression having two terms in it , is called :
- i) Monomial ii) Quadrinomial
ii) Trinomial iv) Binomial
- e) Which of the following is an example of variable:
- i) Colors of a rainbow ii) no. of days in a week
ii) Temperature of a place iv) seasons in a year
- f) A line that passes through the centre of a circle , is called:
- i) arc ii) diameter
ii) radius iv) circumference

Q -2 Solve the following :

2 x 6 = 12

- a) Add : $5x - 4y$ and $-2x + 3y$
- b) Find the value of $(-1)^2 + (-2)^3 + (-3)^2$
- c) A car covers a distance of 115 km in 5 hours. Find the distance covered in 25 hours.
- d) Find the value of y in linear equation $5y + 3 = 23$.
- e) Draw an angle $\angle PQR = 120^\circ$ using a ruler and compass.
- f) Find the perimeter of a rectangle with $L = 18$ cm and $B = 8.5$ cm

Q -3 Solve the following:

3x 6 = 18

- a) Subtract the sum of $-4x + 2y - z$ and $5x + 2y$ from the sum of $9z - 2y$ and $-4x + 2y + 6z$
- b) Rajat wants to fence his rectangular farm house which is 180 m long and 120 m wide. Find the total cost of fencing at the rate of 12.50 per m
- c) Solve the following equations :
- a) $5(x - 4) = 10$ b) $3y + 5 = 17$ c) $4a/8 + 5 = 6$

- d) Draw an angle of 22.5° using compasses and a ruler.
- e) Find the HCF of 1192, 1772 and 896 by continued division method.
- f) Following table shows the annual exam performance of Rohit in different subjects.

Name of subject	Hindi	English	Maths	Science	S. St	Sanskrit
Marks	55	65	80	50	60	90

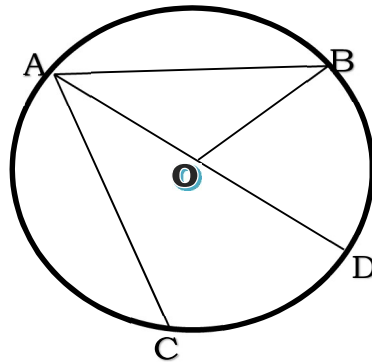
Draw a bar graph to show the above performance report.

Q 4

CASE BASED STUDY QUESTION

4

Jatin invited his friends on his birthday party. His mother prepared a cake which was later cut into pieces as shown in the figure given below



On the basis of above case, answer the questions given below -

- Name all the radii of above circular cake
- Name the center
- Name all the chords
- Name all the diameters

Q 5

Solve the following:

5 x 2 = 10

- A farmer borrowed ₹ 15,000 from a bank at the rate of 6.5 % per annum. After 219 days he returned ₹ 14500 and a watch to clear off his debt. Find the cost of watch
- Draw a line segment $PQ = 8$ cm. Take a point R outside it and draw a line parallel to line PQ passing through this point R.