

NORTH-EX PUBLIC SCHOOL
(Senior Secondary, Affiliated To CBSE)
School Block, Jain Nagar, Sector-38, Rohini, Delhi- 81
HALF YEARLY EXAMINATION (2023-24)
SUBJECT – Maths
CLASS – VI

TIME- 2 Hrs. 30 mins

M.M.- 60

General Instructions:

1. There are 5 sections A,B,C,D,and E. All questions are compulsory.
2. Section A comprises 10 questions of 1 mark each.
3. Section B comprises 4 questions of 2 marks each.
4. Section C comprises 4 questions of 3 marks each.
5. Section D comprises 4 questions of 5 marks each
6. Section E comprises 2 questions of 5 marks each (Case Study based)

SECTION - A

- Q1. Write the opposite of deposit of rupees 500.
Q2. Convert $11/5$ into mixed fraction.
Q3. Write zero point four in the figure.
Q4. What is the numerical coefficient of $7xy$.
Q5. $(-756 \div 12) =$
Q6. Write 67 in Roman numerals.
Q7. Is 5274 divisible by 2. (T/F).
Q8. Find the value of $848 \div 1$.
Q9. Write 2 even numbers between 87 and 100.
Q10. ____ is the smallest positive integer.

SECTION - B

- Q11. (a) Write the successor of (-20) .
(b) Write the successor of (-68) .
Q12. Add $(-7pq)$ and $13pq$.
Q13. Arrange in ascending order: 0,9, -2, -7,4,3.
Q14. Add $3/5$ and $4/10$.

SECTION - C

- Q15. Write three equivalent fractions of $5/7$.
Q16. Add 537.37 and 111.22.
Q17. Find the value of x in $4x - 6 = 10$.
Q18. Classify the following polynomials in to monomials, binomials and trinomials.
(a) $3x + 5y + 5$ (b) $9x - 6z$ (c) $12xyz$

SECTION - D

- Q19. The sum of two numbers is 30. if one of the numbers is x and other number is twice the first, find the two numbers.
Q20. Solve $3/15 + 11/2 - 3/15$.
Q21. Answer the following
(a) $3.017 + 3.710 =$ _____
(b) $78.1 + 78.2 =$ _____
(c) $72.73 - 27.37 =$ _____
(d) $28.23 - 81.32 =$ _____

Q22. State true or false

- (a) Every natural number and whole number is an integer. ()
- (b) -67 is to the right of -82 . ()
- (c) The sum of two negative integers is always negative. ()
- (d) We can change the improper fraction into mixed fraction. ()
- (e) $-1290 \times 0 = 0$ ()

SECTION – E

Q23. There are two terms in algebra one is variables and another is constant term. The value of constant is fixed but the value of variables is changeable. So find the value of x in the following expression

- (a) $X + 7 = 9$
- (b) $4x = x + 12$
- (c) $a/6 = 4$
- (d) $2(x + 3) = 15$
- (e) $7x - 3 = 3x + 1$

Q24. Geeta has 12 bananas Sita has 20 bananas. Both eaten to bananas, they distributed 10 from which she has left.

- (a) Find the sum of bananas of Geeta and Sita.
- (b) Find the difference between the bananas they have.
- (c) How many bananas left with Geeta and Sita.
- (d) Find the total distribution of bananas.
- (e) 5 dozen bananas = _____ bananas.