PM SHRI KENDRIYA VIDYALAYA PASIGHTA

SUMMER VACATION HOLIDAYS HOME WORK 2024-25 **CLASS X SCIENCE**

Activity-1: Acid and Base

Collect at least 20 sample of different substance are used in day to day life and check whether they are acidic and basic by using turmeric powder and red onion as a natural indicator.

To make the onion indicator cut one onion in to pieces and soaked in water for 24 hours boil and extract the onion iuice.

Example- Lemon juice, soap solution, toilet cleaner, curd, tomato juice, eno, shaving cream sol., baking

Note your observation in the following table-

Samples	Colour with turmeric	Colour with onion extract	Nature Acidic/ Basic

Activity 2- Complete and Balance the following equations

1.CH₄+ O₂ → CO2+H2O

2.Al₂(SO₄)₃+BaCl₂ \longrightarrow a + b 3.KMnO₄ +H₂SO₄+ FeSO₄ \longrightarrow MnSO₄+Fe₂(SO₄)₃+H₂O

 $4.C_2H_4+O_2 \longrightarrow CO_2+H_2O$

5.Sodium Sulphate +Calcium Chloride a + b

Activity 3:- Write the in-text and exercise question answer of chapter Life Processes in your homework notebook.

Activity 4 – Click on the link given below and do the competency based question of chapter 1 – Chemical reactions and equations and chapter 2 – Life Processes.

https://drive.google.com/file/d/1sOuU1MLLVxf3KKhEYqlFRKZtgGnpn7Mh/view

Activity 5 - Explore the ideas to participate in inspire award, NCSC and Science Exhibition. Write your ideas in an A4 sheet paper.

Link for inspire award

https://drive.google.com/file/d/1z9N JfA60x6cRmMWhig89P-kxBix5x9B/view

link for NCSC (National level participation)

https://docs.google.com/presentation/d/1kYNQNhSPMcHA6Bm L8ymOmos-RYvA-VM/edit#slide=id.p6

Activity 6 - Prepare a brief report for school Magazine on "What are the changes in society from last 50 years" by discussing with your grandparents or any elder on any one of the following topics:-

- 1.Mode of transportation
- 2. Mode of communications
- 3.Moral values
- 4.Behaviour of children & elders
- 5. Sports and games
- 6.Relation with relatives
- 8. Practical knowledge and Discipline

Activity 7 – Prepare Portfolio in the format provided for internal Assessment.

PM SHRI KENDRIYA VIDYALAYA, Pasighat

HOLIDAY HOMEWORK FOR SUMMER VACATION

SUBJECT - LIBRARY

"Reading is the gateway skill that makes all other learning possible"

by Barack Obama.

CLASSES: VI- XII

- 1. Read the newspaper/e-newspaper daily and collect 10 new words on each Monday, search their meaning and learn them.
- 2. Make a habit to read daily at your convenient time and keep the record of your reading in the library notebook.
- 3. You can use the mobile app e-Pustakalaya, launched by Ministry of Education to read books. This app is very useful and serves as a national repository of knowledge and stories, specifically curated for children.

Link -

Android:https://play.google.com/store/apps/details?id=national.digital.library

- 4. Write about your favorite book/books in the library notebook.
- 5. Collect and write 10 motivational thoughts given by famous personalities.
- 6. Write a book review on A4 size paper.

Stay happy & Be Informed always!

Happy Holicys!

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

HOLIDAY HOME WORKS SESSION 2024-25

Social Science

Class 10

- 1. Solve MONTHLY TEST paper in your homework notebook.
- 2. Prepare portfolio of Social Science.
- 3. Complete all the chapters (notes and question- answer) taught before summer vacation (only for the students who have not completed their assigned work)
- 4. Map Work: Distribution of Soils (On outline Political map of India)
- 5. Answer following questions:
 - A. Describe the role of culture in shaping the feelings of nationalism in Europe from 1830 to the end of 19th Century.
 - B. Analyse the measures and practices introduced by the French revolutionaries to create a sense of collective identity amongst the French people.
 - C. Why was the decade of 1830s known as great economic hardship in Europe? Explain the reasons.
 - D. "In India, some regions are rich in certain types of resources but deficient in some other resources". Do you agree with the statement? Support your answer with examples.
 - E. Explain the contribution of Communities in conservation of forest and wildlife resources.

Holiday Homework (SST) Class 8

- 1. Complete Learner's Diary for topics completed so far.
- 2. Learn question and answer of all topics completed before summer vacation
- 3. Complete all the chapters (notes and question- answers) taught before summer vacation (Only for students who have not completed their assigned work.)
- 4. Answer following questions:
 - A. Write main features of: Permanent Settlement, Mahalwari Settlement, Ryotwari Settlement, Doctrine of Lapse, Subsidiary Alliance.
 - B. Explain different types of resources with examples.
 - C. Explain fundamental rights in detail.
- 5. Map Skill:

Locate following on the Outline Political map of India: Delhi, Kolkata, Jhansi, Champaran, Madras, Mysore, Pune, Ahmedabad, Varanasi.

Holiday Homework (SST) Class 7

- 1. Complete Learner's Diary for topics completed so far.
- 2. Learn question and answer of all topics completed so far
- 3. Complete all the pending work (notes and questions answers) of chapters taught before summer vacation.(Only for those students who haven't completed their work)
- 4. Answer following questions:
- A. What are the uses of rocks?
- B. Explain rock cycle with diagram.
- C. Describe different layers of the earth with 3D diagram.
- D. Mention the provision in Indian constitution that ensures equality.
- E. Differentiate between public and private health care facilities.
- F. Explain major components of environment

CHAPTER 1

(d) 12

(b) $5^2 \times 3$

Real Numbers

[Board 2020 Dalhi Basic]

OBJECTIVE QUESTIONS

The sum of exponents of prime factors in the prime-

one of the numbers is 54, then the other number is

(a) 36

(c) 9

(a) 9

HCF of 144 and 198 is

(b) 35

(d) 81

(b) 18

[Board 2020 OD Basic]

	factorisation of 196 is			(-)	(, , , , , , , , , , , , , , , , , , ,
	(a) 3	(b) 4		(c) $5^2 \times 3^2$	(d) $5^3 \times 3$ [Board 2020 Daihi Basic]
	(c) 5	(d) 2			Doard 2020 Daini Basic
	• • •	[Board 2022 Term 1 Basic]		o /ā .	
			9.	$2\sqrt{3}$ is	
2.	The values of x and y in t	he given figure are		(a) an integer	(b) a rational number
	(a) 7, 13	(b) 13, 7		(c) an irrational number	(d) a whole number [Board 2020 OD Basic]
	(c) 9, 12	(d) 12, 9			(
		[Board 2022 Term 1 Standard]		The dot -6	
			10.	The product of a non-zero number is	rational and an irrational
a	The total number of factor	s of prime number is		(a) always irrational	(b) always rational
	(a) 1	(b) 0			
	(c) 2	(d) 3		(c) rational or irrational	(d) one
		[Board 2020 Dalhi Standard]			
98			11	If two positive integers a ar	and b are written as $a = x^3y^2$
4.	The HCF and the LCM of			and $b = xy^3$, where x , y	
	(a) 3, 140	(b) 12, 420		HCF(a, b) is	
	(c) 3, 420	(d) 420, 3		(a) xy	(b) xy ²
		[Board 2020 Delhi Standard]		(c) x^3y^3	(d) x^2y^2
					[Board Term-1 2014, 2011]
5.		ligit composite number and			
	smallest composite number		12.	If two positive integers p	and q can be expressed as
	(a) 12	(b) 4		$p = ab^2$ and $q = a^3b$; where	a, b being prime numbers,
	(c) 20	(d) 44		then LCM (p,q) is equal to	o ·
		[Board 2020 SQP Standard]		(a) ab	(b) a^2b^2
				(c) a^3b^2	(d) a^3b^3
6.	HCF of two numbers is 27	and their LCM is 162. If			[Board 2010]

(c) 6

(a) 5×3^2

225 can be expressed as

13. The least number that is divisible by all the numbers

(b) 100

(d) 2520

[Board Term-1 2016, 2015]

from 1 to 10 (both inclusive)

(a) 10

(c) 504

- If p₁ and p₂ are two odd prime numbers such that p₁ > p₂, then p₁² - p₂² is
 - (a) an even number
- (b) an odd number
- (c) an odd prime number
- (d) a prime number
- 15. The number $3^{13} 3^{10}$ is divisible by
 - (a) 2 and 3
- (b) 3 and 10
- (c) 2, 3 and 10
- (d) 2, 3 and 13
- The L.C.M. of x and 18 is 36.
 - The H.C.F. of x and 18 is 2.

What is the number x?

(a) 1

(b) 2

(c) 3

(d) 4

[Board Term-1 2013]

- 11. If $a = 2^3 \times 3$, $b = 2 \times 3 \times 5$, $c = 3^n \times 5$ and $LCM(a, b, c) = 2^3 \times 3^2 \times 5$, then n is
 - (a) 1

(b) 2

(c) 3

- (d) 4
- 18. The least number which is a perfect square and is divisible by each of 16, 20 and 24 is
 - (a) 240

- (b) 1600
- (c) 2400
- (d) 3600

ONE MARK QUESTIONS

19. What is the sum of exponents of prime factors in the prime-factorisation of 196?

[Board 2020 OD Standard]

- Find the HCF and the LCM of 12, 21 and 15.
 Board 2020 Delhi Standard
- Explain why 13233343563715 is a composite number? [Board Term-1 2016]
- Find the LCM of smallest two digit composite number and smallest composite number.

[Board 2020 SQP Standard]

23. Express 225 in prime factorization.

[Board 2020 Delhi Basic]

24. HCF of two numbers is 27 and their LCM is 162.
If one of the numbers is 54, then what is the other number?

[Board 2020 OD Basic]

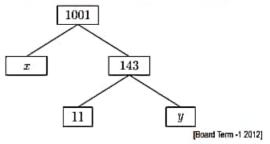
 Find the HCF and LCM of 90 and 144 by the method of prime factorization.

[Board Term-1 2012]

26. If two positive integers a and b are written as $a = x^3y^2$ and $b = xy^3$, where x, y are prime numbers, then find HCF (a,b).

[Board Term -1 2014]

what are the values of x and y in the given figure ?



28. If HCF(336, 54) = 6, find LCM(336, 54).

[Board 2019 OD]

- 29. a and b are two positive integers such that the least prime factor of a is 3 and the least prime factor of b is 5. Then calculate the least prime factor of (a + b).

 [Board Term-1 2014]
- 30. What is the HCF of the smallest composite number and the smallest prime number?

[Hoard Term-1 OD 2018]

31. Calculate the HCF of $3^3 \times 5$ and $3^2 \times 5^2$.

[Board 2007]

32. If HCF (a, b) = 12 and $a \times b = 1,800$, then find LCM (a, b).

[Board 2010]

33. Find the smallest natural number by which 1200 should be multiplied so that the square root of the product is a rational number.

[Board Term-1 2016, 2015]

 Can two numbers have 15 as their HCF and 175 as their LCM? Give reasons.

[Board Term-1 2012]

 Find the least number that is divisible by all numbers between 1 and 10 (both inclusive).

[Board 2010]

36. Find HCF of the numbers given below:

[Board Term-1 2015]

 Complete the following factor tree and find the composite number x.

[Board Term-1 2015]

TWO MARKS QUESTIONS

38. Explain why $(7 \times 13 \times 11) + 11$ and $(7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1) + 3$ are composite numbers.

[Board Term-1 2012]

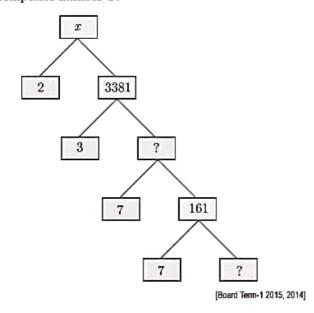
 Explain whether 3 × 12 × 101 + 4 is a prime number or a composite number.

[Board Term-1 2017]

40. Given that HCF (306, 1314) = 18. Find LCM (306, 1314)

[Board Term-1 2013]

41. Complete the following factor tree and find the composite number x.



 Check whether 4" can end with the digit 0 for any natural number n.

[Board Term-1 2015]

43. Show that $5\sqrt{6}$ is an irrational number.

(Board Term-1 2015)

Write a rational number between $\sqrt{2}$ and $\sqrt{3}$.

[Board Term-1 2013]

Show that 571 is a prime number.

46. If two positive integers p and q are written as $p = a^2b^3$ and $q = a^3b$, where a and b are prime numbers than verify $LCM(p,q) \times HCF(q,q) = pq$

[Sample Paper 2017]

4. Prove that $3 + \sqrt{5}$ is an irrational number.

[Board 2010]

Show that any positive even integer can be written in the form 6q, 6q+2 or 6q+4, where q is an integer.

[Board Term1, 2016]

THREE MARKS QUESTIONS

49. Given that √5 is irrational, prove that 2√5 - 3 is an irrational number.

[Board 2020 SQP Standard]

50. Given that $\sqrt{2}$ is irrational, prove that $(5+3\sqrt{2})$ is an irrational number.

[Board 2018]

51. Write the smallest number which is divisible by both 306 and 657.

[Board 2019 OD]

52. 144 cartons of Coke cans and 90 cartons of Pepsi cans are to be stacked in a canteen. If each stack is of the same height and if it equal contain cartons of the same drink, what would be the greatest number of cartons each stack would have?

[Board Term-1 2011]

53. Three bells toll at intervals of 9, 12, 15 minutes respectively. If they start tolling together, after what time will they next toll together?

[Board Term-1 2011]

54. Find HCF and LCM of 16 and 36 by prime factorization and check your answer.

[Board 2009]

55. The length, breadth and height of a room are 8 m 50 cm, 6 m 25 cm and 4 m 75 cm respectively. Find the length of the longest rod that can measure the dimensions of the room exactly.

[Board Term-1 2016]

FIVE MARKS QUESTIONS

56. If p is prime number, then prove that \sqrt{p} is an irrational.

[Board Term-1 2013]

57. Prove that $\sqrt{3}$ is an irrational number.

58. Prove that $\sqrt{5}$ is an irrational number and hence show that $2 - \sqrt{5}$ is also an irrational number.

[Board Term-1 2011]

59. Find HCF and LCM of 378, 180 and 420 by prime factorization method. Is $HCF \times LCM$ of these numbers equal to the product of the given three numbers?

[Board 2009]

 State Fundamental theorem of Arithmetic. Find LCM of numbers 2520 and 10530 by prime factorization.

[Board Term-1 2016]

OR

51. Can the number 6", n being a natural number, end with the digit 5? Give reasons.

[Board Term-1 2015]

62 State Fundamental theorem of Arithmetic. Is it possible that HCF and LCM of two numbers be 24 and 540 respectively. Justify your answer.

[Board Term-1 2015]

CHAPTER 2

Polynomials

OBJECTIVE QUESTIONS

1	If the sum of the zeroes of the quadratic polynomial
	$kx^2 + 2x + 3k$ is equal to their product, then k equals

(a) $\frac{1}{3}$

(b) $-\frac{1}{3}$

(c) $\frac{2}{3}$

(d) $-\frac{2}{3}$

2. If α and β are the zeroes of the polynomial $x^2 + 2x + 1$, then $\frac{1}{\alpha} + \frac{1}{\beta}$ is equal to

(a) -2

(b) 2

(c) 0

[Board 2020 Delhi Basic]

If α and β are the zeroes of the polynomial $2x^2 - 13x + 6$, then $\alpha + \beta$ is equal to

(a) -3

(c) $\frac{13}{2}$

 ${\rm (d)} \,\, -\frac{13}{2} \quad \qquad {\rm [Board \, 2020 \, Delhi \, Basic]}$

If one zero of a quadratic polynomial $(kx^2 + 3x + k)$ is 2, then the value of k is

(a) $\frac{5}{6}$

(b) $-\frac{5}{6}$

(c) $\frac{6}{5}$

 ${\rm (d)} \; -\frac{6}{5} \qquad \qquad {\rm [Board \; 2020 \; Delhi \; Basic]}$

The maximum number of zeroes a cubic polynomial can have, is

(a) 1

(b) 4

(c) 2

(d) 3

[Board 2020 OD Basic]

If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is

(a) 10

(b) -10

(c) -7

The quadratic polynomial, the sum of whose zeroes is -5 and their product is 6, is

- (a) $x^2 + 5x + 6$
- (b) $x^2 5x + 6$
- (c) $x^2 5x 6$
- $\text{(d)} \ -x^2 + 5x + 6 \\ \text{[Board 2020 Delhi Standard]}$

If one zero of the polynomial $(3x^2 + 8x + k)$ is the reciprocal of the other, then value of k is

(a) 3

(c) $\frac{1}{3}$

(d) $-\frac{1}{3}$

[Board 2020 OD Basic]

The zeroes of the polynomial $x^2 - 3x - m(m+3)$ are

- (a) m, m+3
- (b) -m, m+3
- (c) m, -(m+3)
- $\text{(d)} m, (m+3) \\ \text{[Board 2020 OD Standard]}$

The value of x, for which the polynomials $x^2 - 1$ and $x^2 - 2x + 1$ vanish simultaneously, is

(a) 2

(b) -2

(c) -1

(d) 1

π If α and β are zeroes and the quadratic polynomial $f(x) = x^2 - x - 4$, then the value of $\frac{1}{\alpha} + \frac{1}{\beta} - \alpha\beta$ is (a) $\frac{15}{4}$ (b) $\frac{-15}{4}$ (c) 4 (d) 15

The value of the polynomial $x^{8} - x^{5} + x^{2} - x + 1$ is

- (a) positive for all the real numbers
- (b) negative for all the real numbers
- (c) 0

- (d) depends on value of x
- 13. Lowest value of $x^2 + 4x + 2$ is
 - (a) 0

(b) -2

(c) 2

- (d) 4
- 14. If the sum of the zeroes of the polynomial $f(x) = 2x^3 3kx^2 + 4x 5$ is 6, then the value of k is
 - (a) 2

(b) -2

(c) 4

- (d) 4
- 15. If the square of difference of the zeroes of the quadratic polynomial $x^2 + px + 45$ is equal to 144, then the value of p is
 - (a) ± 9

(b) ± 12

(c) ± 15

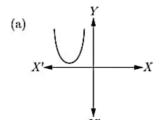
- (d) ± 18
- **16.** If one of the zeroes of the quadratic polynomial $(k-1)x^2 + kx + 1$ is -3, then the value of k is
 - (a) $\frac{4}{3}$

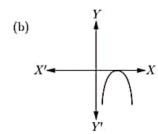
(b) $\frac{-4}{3}$

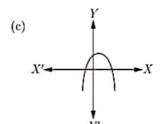
(c) $\frac{2}{3}$

- (d) $-\frac{2}{3}$
- 17. A quadratic polynomial, whose zeroes are -3 and 4, is
 - (a) $x^2 x + 12$
- (b) $x^2 + x + 12$
- (c) $\frac{x^2}{2} \frac{x}{2} 6$
- (d) $2x^2 + 2x 24$
- 18. If the zeroes of the quadratic polynomial $x^2 + (a+1)x + b$ are 2 and -3, then
 - (a) a = -7, b = -1
 - (b) a = 5, b = -1
 - (c) a=2, b=-6
 - (d) a = 0, b = -6
- 19. The zeroes of the quadratic polynomial $x^2 + 99x + 127$ are
 - (a) both positive
 - (b) both negative
 - (c) one positive and one negative
 - (d) both equal

- **20.** The zeroes of the quadratic polynomial $x^2 + kx + k$ where $k \neq 0$,
 - (a) cannot both be positive
 - (b) cannot both be negative
 - (c) are always unequal
 - (d) are always equal
- 21. If the zeroes of the quadratic polynomial $ax^2 + bx + c$, where $c \neq 0$, are equal, then
 - (a) c and a have opposite signs
 - (b) c and b have opposite signs
 - (c) c and a have same sign
 - (d) c and b have the same sign
- 22. If one of the zeroes of a quadratic polynomial of the form $x^2 + ax + b$ is the negative of the other, then it
 - (a) has no linear term and the constant term is negative.
 - (b) has no linear term and the constant term is positive.
 - (c) can have a linear term but the constant term is negative.
 - (d) can have a linear term but the constant term is positive.
- 23. Which of the following is not the graph of a quadratic polynomial?







ONE MARK QUESTIONS

24. If the sum and product of the zeroes of a quadratic polynomial are 3 and -10 respectively, find the quadratic polynomial.

[Board 2020 Delhi Basic]

25. If the sum of the zeroes of the quadratic polynomial $kx^2 + 2x + 3k$ is equal to their product, then what is the value of k?

[Board 2020 OD Basic]

- **26.** If α and β are the zeroes of the polynomial $2x^2-13x+6$, then what is the value of $\alpha+\beta$?

 [Board 2020 Delhi Basic]
- 27. If one zero of a quadratic polynomial $(kx^2 + 3x + k)$ is 2, then the what is the value of k?

 [Board 2020 Delhi Basic]
- **28.** If one of the zeroes of the quadratic polynomial $(k-1)x^2 + kx + 1$ is -3, then what is the value of k? [Board Term-1 Delhi 2013]
- **29.** If one zero of the polynomial $(3x^2 + 8x + k)$ is the reciprocal of the other, then what is the value of k?

 [Board 2020 OD Basic]
- **30.** What is the value of x, for which the polynomials x^2-1 and x^2-2x+1 vanish simultaneously?

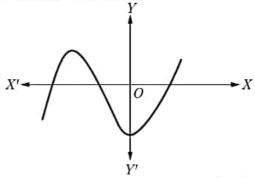
 [Board Term-1 OD 2011]
- 31. If the square of difference of the zeroes of the quadratic polynomial $x^2 + px + 45$ is equal to 144, then what is the value of p?

[Board Term-1 Foreign 2014]

32. Find a quadratic polynomial, whose zeroes are -3 and 4?

[Board 2010]

33. The graph of a polynomial is shown in Figure. What is the number of its zeroes?



[Board 2020 Delhi Basic]

- 34. If α and β are zeroes of the quadratic polynomial $f(x)=x^2-x-4$, then what is the value of $\frac{1}{\alpha}+\frac{1}{\beta}-\alpha\beta$?

 [Board Term-1 Delhi 2017]
- **35.** What is the lowest value of $x^2 + 4x + 2$? [Board Term-1 OD 2013]
- **36.** If the sum of the zeroes of the polynomial $f(x) = 2x^3 3kx^2 + 4x 5$ is 6, then what is the value of k

[Board Term-1 2016]

- 37. Calculate the zeroes of the polynomial $p(x) = 4x^2 12x + 9$.
- **38.** If sum of the zeroes of the quadratic polynomial $3x^2 kx + 6$ is 3, then find the value of k.

39. If -1 is a zero of the polynomial $f(x) = x^2 - 7x - 8$, then calculate the other zero.

[Board Term-1 Foreign 2015]

40. If zeroes of the polynomial $x^2 + 4x + 2a$ are a and $\frac{2}{a}$, then find the value of a.

IBoard Term-1 20161

41. Find all the zeroes of $f(x) = x^2 - 2x$.

[Board Term-1 2013]

42. Find the condition that zeroes of polynomial $p(x) = ax^2 + bx + c$ are reciprocal of each other.

[Board Term-1 2012]

43. Find the values of a and b, if they are the zeroes of polynomial $x^2 + ax + b$.

[Board Term-1 2013]

44. What are the zeroes of the polynomial $x^2 - 3x - m(m+3)$?

[Board 2020 OD Standard]

TWO MARKS QUESTIONS

45. Find the zeroes of the quadratic polynomial $\sqrt{3} x^2 - 8x + 4\sqrt{3}$.

[Board Term-1 2013]

46. Find a quadratic polynomial, the sum and product of whose zeroes are 6 and 9 respectively. Hence find the zeroes.

[Board Term-1 2016]

7. Form a quadratic polynomial p(x) with 3 and $-\frac{2}{5}$ as sum and product of its zeroes, respectively.

[Board Term-1 2012]

- **48.** If α and β are the zeroes of the polynomial $f(x) = 5x^2 7x + 1$ then find the value of $\left(\frac{\alpha}{\beta} + \frac{\beta}{\alpha}\right)$ [Board 2020 OD Basic]
- 49. If α and β are the zeroes of a polynomial $x^2 4\sqrt{3}x + 3$, then find the value of $\alpha + \beta \alpha\beta$.

[Board Term-1 2015]

50. If one of the zeroes of the quadratic polynomial $f(x) = 14x^2 - 42k^2x - 9$ is negative of the other, find the value of 'k'.

[Board Term-1 2012]

51. If one zero of the polynomial $2x^2 + 3x + \lambda$ is $\frac{1}{2}$, find the value of λ and the other zero.

[Board Term-1 2012]

52. Find the value of k such that the polynomial $x^2 - (k+6)x + 2(2k+1)$ has sum of its zeros equal to half of their product.

[Board 2019 Delhi]

53. If the zeroes of the polynomial $x^2 + px + q$ are double in value to the zeroes of $2x^2 - 5x - 3$, find the value of p and q.

[Board Term-1 2012]

54. If α and β are zeroes of $x^2 - (k-6)x + 2(2k-1)$, find the value of k if $\alpha + \beta = \frac{1}{2}\alpha\beta$.

[Board Term-1 2013]

THREE MARKS QUESTIONS

55. Find a quadratic polynomial whose zeroes are reciprocals of the zeroes of the polynomial $f(x) = ax^2 + bx + c$, $a \neq 0$, $c \neq 0$.

[Board 2020 Delhi Standard]

56. Verify whether 2, 3 and $\frac{1}{2}$ are the zeroes of the polynomial $p(x) = 2x^3 - 11x^2 + 17x - 6$.

[Board Term-1 2013]

57. If the sum and product of the zeroes of the polynomial $ax^2 - 5x + c$ are equal to 10 each, find the value of 'a' and 'c'.

[Board Term-1 2011]

58. If one the zero of a polynomial $3x^2 - 8x + 2k + 1$ is seven times the other, find the value of k.

[Board Term-1 2011]

59. Quadratic polynomial $2x^2 - 3x + 1$ has zeroes as α and β . Now form a quadratic polynomial whose zeroes are 3α and 3β .

[Board Term-1 2015]

60. If α and β are the zeroes of the polynomial $f(x) = x^2 - 4x - 5$ then find the value of $\alpha^2 + \beta^2$ [Board 2020 Delhi Basic]

61. Find the quadratic polynomial, the sum and product of whose zeroes are −3 and 2 respectively. Hence find the zeroes.

[Board 2020 OD Basic]

62. Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeroes and the coefficients.

[Board 2020 Delhi Basic]

63. If the zeroes of the quadratic polynomial $x^2 + (a+1)x + b$ are 2 and -3, then find the value of a and b.

[Board Term-1 2013]

64. If α and β are the zeroes of the polynomial $6y^2-7y+2$, find a quadratic polynomial whose zeroes are $\frac{1}{\alpha}$ and $\frac{1}{\beta}$. [Board Term-1 2011]

65. Show that $\frac{1}{2}$ and $\frac{-3}{2}$ are the zeroes of the polynomial $4x^2 + 4x - 3$ and verify relationship between zeroes and coefficients of the polynomial.

[Board Term-1 2011]

66. A teacher asked 10 of his students to write a polynomial in one variable on a paper and then to handover the paper. The following were the answers given by the students:

 $\begin{array}{lll} 2x+3, & 3x^2+7x+2, & 4x^3+3x^2+2, & x^3+\sqrt{3x}+7, \\ 7x+\sqrt{7}, & 5x^3-7x+2, & 2x^2+3-\frac{5}{x}, & 5x-\frac{1}{2}, \\ ax^3+bx^2+cx+d, & x+\frac{1}{x}. & \end{array}$

Answer the following question:

- (i) How many of the above ten, are not polynomials?
- (ii) How many of the above ten, are quadratic polynomials?

[Board 2020 OD Standard]

67. Find the zeroes of the quadratic polynomial $5x^2 + 8x - 4$ and verify the relationship between the zeroes and the coefficients of the polynomial.

[Board Term-1 2013]

68. If α and β are the zeroes of a quadratic polynomial such that $\alpha + \beta = 24$ and $\alpha - \beta = 8$. Find the quadratic polynomial having α and β as its zeroes.

[Board 2009]

69. If α, β and γ are zeroes of the polynomial $6x^3 + 3x^2 - 5x + 1$, then find the value of $\alpha^{-1} + \beta^{-1} + \gamma^{-1}$.

[Board 2010]

71. Find the value for k for which $x^4 + 10x^3 + 25x^2 + 15x + k$ is exactly divisible by x + 7.

[Board Term 2010]

72. On dividing the polynomial $4x^4 - 5x^3 - 39x^2 - 46x - 2$ by the polynomial g(x), the quotient is $x^2 - 3x - 5$ and the remainder is -5x + 8. Find the polynomial g(x).

[Board 2009]

73. If the squared difference of the zeroes of the quadratic polynomial $f(x) = x^2 + px + 45$ is equal to 144, find the value of p.

[Board 2008]

FIVE MARKS QUESTIONS

- Polynomial $x^4 + 7x^3 + 7x^2 + px + q$ is exactly divisible by $x^2 + 7x + 12$, then find the value of p and q.

 [Board Term-1 2015]
- 75. If α and β are the zeroes of the polynomial $p(x) = 2x^2 + 5x + k$ satisfying the relation, $\alpha^2 + \beta^2 + \alpha\beta = \frac{21}{4}$, then find the value of k.

[Board Term-1 2012]

76. Find the zeroes of the quadratic polynomial $7y^2 - \frac{11}{3}y - \frac{2}{3}$ and verify the relationship between the zeroes and the coefficients.

[Board 2019 OD]

77. If α and β are the zeroes of polynomial $p(x)=3x^2+2x+1$, find the polynomial whose zeroes are $\frac{1-\alpha}{1+\alpha}$ and $\frac{1-\beta}{1+\beta}$.

CHAPTER 3

Pair of Linear Equation in Two Variables

OBJECTIVE QUESTIONS

- The 2 digit number which becomes ⁵/₄ th of itself when its digits are reversed. The difference in the digits of the number being 1, then the two digits number is
 - (a) 45

(b) 54

(c) 36

(d) None of these
[Board 2022 Term-1 SQP STD]

In a number of two digits, unit's digit is twice the tens digit. If 36 be added to the number, the digits are reversed. The number is

(a) 36

(b) 63

(c) 48

(d) 84

[Board 2022 Term-1 SQP Basic]

3. If 3x + 4y : x + 2y = 9 : 4, then 3x + 5y : 3x - y is equal to

(a) 4:1

(b) 1:4

(c) 7:1

(d) 1:7

[Board 2022 Term-1 STD]

4. The pair of equations $3^{x+y} = 81$, $81^{x-y} = 3$ has

(a) no solution

(b) unique solution

(c) infinitely many solutions

(d) $x = 2\frac{1}{8}, y = 1\frac{7}{8}$

[Board 2022 Term-1 Basic]

5. A fraction becomes 4 when 1 is added to both the numerator and denominator and it becomes 7 when 1 is subtracted from both the numerator and denominator. The numerator of the given fraction is

(a) 2

(b) 3

(c) 5

(d) 15

[Board 2022 Term-1 Basic]

 For which value(s) of p, will the lines represented by the following pair of linear equations be parallel

3x - y - 5 = 0 and 6x - 2y - p = 0

(a) all real values except 10 (b) 10

(c) 5/2

(d) 1/2

[Board Term-1 Delhi 2012]

x and y are 2 different digits. If the sum of the two digit numbers formed by using both the digits is a perfect square, then value of x + y is

(a) 10

(b) 11

(c) 12

(d) 13

[Board 2022 Term-1 STD]

8. The value of k for which the system of linear equations x+2y=3, 5x+ky+7=0 is inconsistent is

(a) $-\frac{14}{3}$

(b) $\frac{2}{5}$

(c) 5

(d) 10

[Board 2020 OD Standard]

1. The value of k for which the system of equations x + y - 4 = 0 and 2x + ky = 3, has no solution, is

(a) -2

(b) $\neq 2$

(c) 3

(d) 2

[Board 2020 Delhi Standard]

10. The pair of linear equations 2kx + 5y = 7, 6x - 5y = 11 has a unique solution, if

(a) $k \neq -3$

(b) $k \neq \frac{2}{3}$

(c) $k \neq 5$

(d) $k \neq \frac{2}{9}$

[Board Term-1 SQP 2012]

- The pair of equations x+2y+5=0 and -3x-6y+1=0 has
 - (a) a unique solution

- (b) exactly two solutions
- (c) infinitely many solutions
- (d) no solution

[Board Term-1 Foreign 2012]

- 12. If a pair of linear equations is consistent, then the lines will be
 - (a) parallel
 - (b) always coincident
 - (c) intersecting or coincident
 - (d) always intersecting

[Board Term-1 OD 2013]

- The pair of equations y = 0 and y = -7 has
 - (a) one solution
 - (b) two solutions
 - (c) infinitely many solutions
 - (d) no solution

[Board Term-1 SQP 2017]

- **14.** For what value of k, do the equations 3x y + 8 = 0and 6x - ky = -16 represent coincident lines?
 - (a) $\frac{1}{2}$

(b) $-\frac{1}{2}$

(c) 2

(d) -2

[Board Term-1 Foreign 2016]

- The pair of equations x = a and y = b graphically represents lines which are
 - (a) parallel
 - (b) intersecting at (b, a)
 - (c) coincident
 - (d) intersecting at (a, b)

[Board Term-1 Foreign 2011]

- If the lines given by 3x + 2ky = 2 and 2x + 5y + 1 = 0are parallel, then the value of k is
 - (a) $-\frac{5}{4}$

(c) $\frac{15}{4}$

[Board Term-1 OD 2011]

- The value of c for which the pair of equations cx - y = 2 and 6x - 2y = 3 will have is
 - (a) 3

- (b) -3
- (c) -12
- (d) no value

[Board Term-1 SQP 2014]

- 18. One equation of a pair of dependent linear equations -5x + 7y = 2 The second equation can be
 - (a) 10x + 14y + 4 = 0
 - (b) -10x-14y+4=0
 - (c) -10x+14y+4=0
 - (d) 10x 14y = -4

[Board Term-1 OD 2013]

- 19. If x = a and y = b is the solution of the equations x-y=2 and x+y=4, then the values of a and b are, respectively
 - (a) 3 and 5
- (b) 5 and 3
- (c) 3 and 1
- (d) -1 and -3

[Board Term-1 OD 2015]

- 20. Aruna has only ₹ 1 and ₹ 2 coins with her. If the total number of coins that she has is 50 and the amount of money with her is $\overline{\epsilon}$ 75, then the number of $\overline{\epsilon}$ 1 and ₹ 2 coins are, respectively
 - (a) 35 and 15
- (b) 35 and 20
- (c) 15 and 35
- (d) 25 and 25

[Board Term-1 OD 2016]

- The father's age is six times his son's age. Four years hence, the age of the father will be four times his son's age. The present ages (in year) of the son and the father are, respectively.
 - (a) 4 and 24
- (b) 5 and 30
- (c) 6 and 36
- (d) 3 and 24

[Board Term-1 Delhi 2016]

ONE MARK QUESTIONS

- 22. Find the value of k for which the system of linear equations x + 2y = 3, 5x + ky + 7 = 0 is inconsistent.
- 23. Find the value of k for which the system of equations x+y-4=0 and 2x+ky=3, has no solution. [Board 2020 Delhi Standard]
- 24. For which value(s) of p, will the lines represented by the following pair of linear equations be parallel?

3x - y - 5 = 0, 6x - 2y - p = 0 [Board Term-1 OD 2017]

- 25. The 2 digit number which becomes \(\frac{5}{6}\) th of itself when its digits are reversed. If the difference in the digits of the number being 1, what is the two digits number?
 [Board Term-1 Delhi 2011]
- **35.** If $ad \neq bc$, then find whether the pair of linear equations ax + by = p and cx + dy = q has no solution, unique solution or infinitely many solutions.

[Board Term-1 Delhi 2015]

26. In a number of two digits, unit's digit is twice the tens digit. If 36 be added to the number, the digits are reversed. What is the number?

[Board Term-1 Delhi 2016]

36. Two lines are given to be parallel. The equation of one of the lines is 4x + 3y = 14, then find the equation of the second line.

[Board 2007]

27. If 3x + 4y : x + 2y = 9 : 4, then find the value of 3x + 5y : 3x - y.

[Board Term-1 Foreign 2012]

37. Find whether the lines represented by 2x + y = 3 and 4x + 2y = 6 are parallel, coincident or intersecting.

[Board Term-1 Delhi 2016]

28. raction becomes 4 when 1 is added to both the numerator and denominator and it becomes 7 when 1 is subtracted from both the numerator and denominator. What is the numerator of the given fraction?

(Board Term-1 Foreign 2016)

- 38. Given the linear equation 3x + 4y = 9. Write another linear equation in these two variables such that the geometrical representation of the pair so formed is:
 - (1) intersecting lines
 - (2) coincident lines.

[Board Term-1 2016]

- 29. x and y are 2 different digits. If the sum of the two digit numbers formed by using both the digits is a perfect square, then what is the value of x + y?
- If a pair of linear equations is consistent, then the lines will be intersecting or coincident. Justify.

(Board 2008)

- 39. Find the value(s) of k so that the pair of equations x + 2y = 5 and 3x + ky + 15 = 0 has a unique solution.

 Board 2019 001
- 40. If 2x + y = 23 and 4x y = 19, find the value of (5y 2x) and $(\frac{y}{x} 2)$.
- 31 The pair of equations y = 0 and y = -7 has no solution. Justify.

[Board Term-1 Foreign 2014]

41 Find whether the following pair of linear equation is consistent or inconsistent:

$$3x + 2y = 8$$
, $6x - 4y = 9$

[Board Term-1 2016]

Board Term-1 2011]

- 42. Is the system of linear equations 2x + 3y 9 = 0 and 4x + 6y 18 = 0 consistent? Justify your answer.

 [Board Term-1 2012]
- 33. Find whether the pair of linear equations y = 0 and y = -5 has no solution, unique solution or infinitely many solutions.

[Board Term-1 OD 2011]

43. For what value of k, the pair of linear equations kx - 4y = 3, 6x - 12y = 9 has an infinite number of solutions?

[Board Term-1 2012]

- 34. If am = bl, then find whether the pair of linear equations ax + by = c and bx + my = n has no solution, unique solution or infinitely many solutions.

 [Board Term-1 OD 2015]
- Solve the following pair of linear equations by substitution method:

$$3x+2y-7=0, 4x+y-6=0$$

[Board Term-1 2015]

- **45.** Solve: 99x + 101y = 499, 101x + 99y = 501 [Board Term-1 2012]
- **46.** Solve graphically: 2x 3y + 13 = 0; 3x 2y + 12 = 0 [Board 2020 OD Basic]
- 47. Solve graphically : 2x + 3y = 2, x 2y = 8 [Board 2020 Delhi Basic]
- **48.** A fraction becomes $\frac{1}{3}$ when 2 is subtracted from the numerator and it becomes $\frac{1}{2}$ when 1 is subtracted from the denominator- Find the fraction.

[Board 2019 Delhi]

49. Represent the following pair of linear equations graphically and hence comment on the condition of consistency of this pair.

$$x - 5y = 6$$
 and $2x - 10y = 12$.

Board Term-1 2011]

50. Determine the values of m and n so that the following system of linear equation have infinite number of solutions:

$$(2m-1)x+3y-5 = 0$$

3x+(n-1)y-2 = 0

[Board Term-1 2013]

51. For what value of p will the following system of equations have no solution?

$$(2p-1)x+(p-1)y=2p+1; y+3x-1=0$$
[Board Term-1 2011]

52. Solve for x and y:

$$\frac{x}{2} + \frac{2y}{3} = -1$$
 and $x - \frac{y}{3} = 3$

[Board Term-1 2015]

53. Solve the following pair of linear equations:

$$8x + 5y = 9$$
, $3x + 2y = 4$

Board Term-1 20151

54. Solve for x and y:

$$\frac{x+1}{2} + \frac{y-1}{3} = 9; \quad \frac{x-1}{3} + \frac{y+1}{2} = 8.$$

- 55. Given the linear equation 2x + 3y 8 = 0, write another linear equation in two variables such that the geometrical representation of the pair so formed is:
 - (a) intersecting lines
 - (b) parallel lines
 - (c) coincident lines.

[Board Term-1 2014]

58. Solve for x and y:

$$ax + by = \frac{a+b}{2}$$
 and $3x + 5y = 4$

[Board Term-1 2011]

57. Find whether the following pair of linear equations has a unique solutions. If yes, find the solution:

$$7x - 4y = 49,5x - 6y = 57.$$

[Board Term-1 2017]

FIVE MARKS QUESTIONS

58. For what value of k, which the following pair of linear equations have infinitely many solutions:

$$2x + 3y = 7$$
 and $(k + 1)x + (2k - 1)y = 4k + 1$ [Board 2019 Delhi]

59. Find c if the system of equations cx + 3y + (3 - c) = 0; 12x + cy - c = 0 has infinitely many solutions?

[Board 2019 Delhi]

60. Determine graphically the coordinates of the vertices of triangle, the equations of whose sides are given by 2y - x = 8, 5y - x = 14 and y - 2x = 1.

[Board 2020 Delhi Standard]

61 Determine graphically whether the following pair of linear equations:

$$3x - y = 7$$
 and $2x + 5y + 1 = 0$ has:

- (a) unique solution
- (b) infinitely many solutions or
- (c) no solution.

[Board Term-1 2015]

62 Aftab tells his daughter, '7 years ago, I was seven times as old as you were then. Also, 3 years from now, I shall be three times as old as you will be.' Represent this situation algebraically and graphically.

[Board Term-1 2015]

63. For Uttarakhand flood victims two sections A and B of class contributed Rs. 1,500. If the contribution of X-A was Rs. 100 less than that of X-B, find graphically the amounts contributed by both the sections.

IBoard Term-1 20161

Solve graphically the pair of linear equations:

$$3x - 4y + 3 = 0$$
 and $3x + 4y - 21 = 0$

Find the co-ordinates of the vertices of the triangular

region formed by these lines and x-axis. Also, calculate the area of this triangle.

[Board Term-1 2015]

65. The cost of 2 kg of apples and 1kg of grapes on a day was found to be Rs. 160. After a month, the cost of 4kg of apples and 2kg of grapes is Rs. 300. Represent the situations algebraically and geometrically.

[Board Term-1 2013]

68. Solve for x and y:

$$2x - y + 3$$
 and $3x - 5y + 1 = 0$

Board Term-1 2015

67. Draw the graphs of the equations x - y + 1 = 0 and 3x + 2y - 12 = 0. Determine the co-ordinates of the vertices of the triangle formed by these lines and the X-axis and shade the triangular region.

[Board Term-1 2013]

Solve the following pair of linear equations graphically:

$$x + 3y = 12, \ 2x - 3y = 12$$

Also shade the region bounded by the line 2x - 3y = 2 and both the co-ordinate axes.

[Board Term-1 2013, 2012]

69. Solve the following pair of linear equations graphically: $x-y=1, \ 2x+y=8$

Also find the co-ordinates of the points where the lines represented by the above equation intersect y — axis.

[Board Term-1 Delhi 2012]

70. Draw the graph of the following equations:

$$2x - y = 1$$
, $x + 2y = 13$

Find the solution of the equations from the graph and shade the triangular region formed by the lines and the y-axis.

[Board Term-1 OD 2012]

71. Solve the following pair of equations graphically:

$$2x + 3y = 12, \ x - y - 1 = 0.$$

Shade the region between the two lines represented by the above equations and the X-axis.

[Board Term-1 2013]

72. Solve x + y = 5 and 2x - 3y = 4 by elimination method and the substitution method.

[Board Term-1 2015]

73. For what values of a and b does the following pair of linear equations have infinite number of solution?

$$2x+3y=7$$
, $a(x+y)-b(x-y)=3a+b-2$
[Board Term-1 2015]

Find the value of p and q for which the system of equations represent coincident lines 2x+3y=7, (p+q+1)x+(p+2q+2)y=4(p+q)+1[Board Term-1 Delhi 2012]

WORD PROBLEMS

In an election contested between A and B, A obtained votes equal to twice the no. of persons on the electoral roll who did not cast their votes and this later number was equal to twice his majority over B. If there were 1,8000 persons on the electoral roll. How many votes for B.

[Board Term-1 2012]

76. Sum of the ages of a father and the son is 40 years. If father's age is three times that of his son, then find their respective ages.

[Board Term-1 2015]

n. Half the perimeter of a rectangular garden, whose length is 4 m more then its width, is 36 m. Find the dimensions of garden.

[Board Term-1 2013]

78. A part of monthly hostel charge is fixed and the remaining depends on the number of days one has taken food in the mess. When Swati takes food for 20 days, she has to pay Rs. 3,000 as hostel charges whereas Mansi who takes food for 25 days Rs. 3,500 as hostel charges. Find the fixed charges and the cost of food per day.

[Board Term-1 2016, 2015]

79. The present age of the father is twice the sum of the ages of his 2 children. After 20 years, his age will be equal to the sum of the ages of his children. Find the age of the father.

[Board Term-1 2012]

80. In the figure, ABCDE is a pentagon with $BE \parallel CD$ and $BC \parallel DE$. BC is perpendicular to CD. AB = 5 cm, AE = 5 cm, BE = 7 cm, BC = x - y and CD = x + y.

पी एम श्री केन्द्रीय विद्यालय पासीघाट

ग्रीष्मकालीन अवकाश गृहकार्य - 2024-25

कक्षा - दसवीं (हिंदी-अ)

- 1. पाठ्यक्रम की कोई भी एक कविता याद करके तथा उसका वीडियो बनाकर मुझे व्यक्तिगत प्रेषित करें । (कविता डेढ़ मिनट से पाँच मिनट) (वाचन-कौशल अभ्यास)
- 'पर्यावरण-संरक्षण' पर या अपने द्वारा बनाई गई 'पहाड़ी चॉकलेट' पर विज्ञापन तैयार करें
 । (40 शब्द)
- 3. मित्र की नौकरी लगने पर उसे श्भकामना संदेश प्रेषित करें। (40 शब्द)
- 4. 'भाग्य और पुरुषार्थ' अथवा 'एआई का बढ़ता वर्चस्व' में से किसी एक विषय पर अन्च्छेद लिखिए । (120 शब्द)
- 5. क्षितिज के सभी पाठों से तीन-तीन बह्विकल्पीय प्रश्न-उत्तर बनाएँ।
- 6. पोर्टफोलिओ बनाएँ जो कि आपको साथ ही भेजा जा रहा है। (A4 साइज़ पेपर में)
- 7. पाठ्य-पुस्तक में विद्यमान किसी भी कवि/लेखक पर परियोजना तैयार करें । (कवि/लेखक का परिचय, रचनाओं के नाम व रचनाओं का संक्षिप्त परिचय , पुरस्कार, आपका किव /लेखक के बारे में विचार , उनकी रचना पर टिप्पणी और उन किव /लेखक का काल्पनिक साक्षात्कार व अन्य यदि कुछ आपको उचित लगे) (A4 साइज़ पेपर में) (कम-कम पच्चीस पृष्ठों में यह कार्य करें ।)
- 8. अभी तक जो भी पढ़ाया गया है, उसको कम-से कम पाँच बार दोहराएँ। आते ही उसी से प्रश्न पूछे जाएँगे।
- उत्तर भारत दर्शनीय स्थलों की जानकारी देते हुए मुंबई-स्थित अपने मित्र को पत्र लिखिए
 (100 शब्द)
- 10.80 शब्दों में उपलब्ध रिक्ति (राम पब्लिक स्कूल में हिंदी-अध्यापक के पद हेतु) के लिए एक स्ववृत्त (biodata) लिखिए और <u>shahida. Bano95@gmail.com</u> पर प्रेषित करिए। (mail करिए)
- 11.कला समेकित परियोजना :- कर्नाटक का जनजीवन, भाषाओं पर पीपीटी व वीडियो (Art Integrated Project)

12. विद्यालय पत्रिका हेतु अपनी लिखी हिंदी भाषा में रचनाएँ (कविता/कहानी/लेख आदि) अवश्य लेकर आएँ। ये रचनाएँ आपकी मौलिक होनी चाहिए। टाइप की हुई या हाथ से लिखी हो सकती हैं। किसी और लेखक/ कवि की कॉपी-पेस्ट रचनाएँ स्वीकार नहीं।

आप सभी स्वस्थ रहें , मस्त रहें , ख़ुश रहें , सीखते रहें , पेरेंट्स की सहायता करते रहें । बहुत-बहुत आशीर्वाद बेटा ।

विषयाध्यापक :- शाहिदा बानु

स्नातकोत्तर शिक्षक हिंदी



पी एम श्री केन्द्रीय विद्यालय पासीघाट

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

पोर्टफोलियो (PORTFOLIO)

सत्र 2022-23

	1
नाम –	
कक्षा –	
अनुक्रमांक	



विद्यार्थी व्यक्तिगत जानकारी STUDENT PROFILE

1) विद्यार्थी का नाम
2) प्रवेशांक न
3) कक्षा
4) अनुक्रमांक
5) लिंग –
6) वर्ग
7) जन्मतिथि –
8) मोबाइल न
१) रक्त समह -

विद्यार्थी का पासपोर्ट साइज़ फोटो

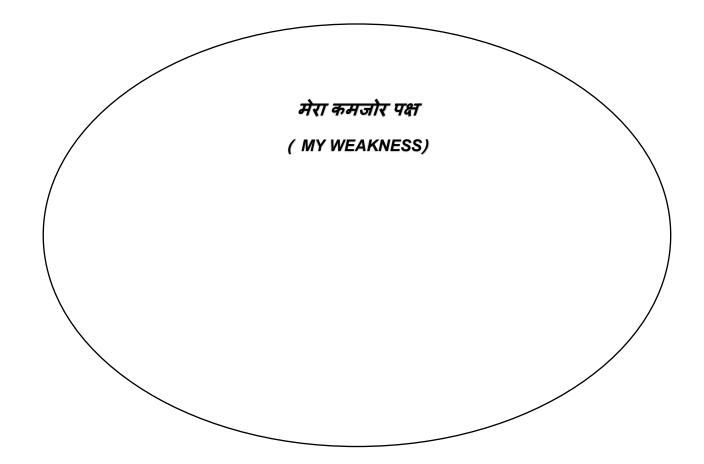
(11) लम्बाई (सेमी)		
(12) आधार सं		
वारिक सूचना :		
1 पिता का नाम	शैक्षणिक योग्यता	व्यवसाय
2 माता का नाम	शैक्षणिक योग्यता	व्यवसाय
3 अभिभावक	शैक्षणिक योग्यता	व्यवसाय
4 परिवार के सदस्यों की संख्या		
5 भाई-बहन की संख्या		
6 परिवार की मासिक आय		
7 परिवार की आर्थिक स्थिति – APL/BP	L	
8 फ़ोन न		
९ स्थाई पता		
गाला पर्व स्वास्थ्य एवं विकास		
C)	Т	
अवश्यक टीकाकरण हुआ है या नहीं		
		
ग़ाला पूर्व तैयारी		
	[है ?	
र्थी की अभिवृतियाँ –		
ार्थी की पसंद का		
·		
	(11) लम्बाई (सेमी)	(11) लम्बाई (सेमी)

	2 खाने की वस्तुएँ
	3 खेल
	४ घनिष्ठ मित्र
	5 जानवर
	6 विषय
	7 शौक
	८ प्रिय शिक्षक /शिक्षिका
	9 आप घर के किस सदस्य से ज्यादा प्यार करते है?
	10 किस चीज से आपको सबसे ज्यादा डर लगता है ?
	11 जल्दी गुस्सा कब आता है ?
	12 अपने मित्र के कौनसे गुण अच्छे लगते है ?
॥ विद्य	ार्थी क्या बनना चाहता है ?

मेरा मजबूत पक्ष & कमजोरी

(MY STRENGTH & WEAKNESS)

<u>मेरा मजबूत पक्ष</u> (MY STRENGTH)



मेरी शैक्षिक उपलब्धि

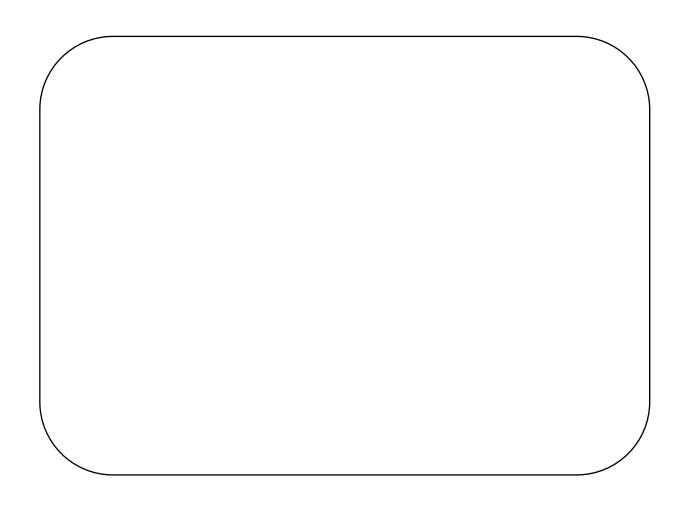
(MY ACADEMIC ACHIEVEMENTS)

पिछले सत्र का परीक्षा परिणाम (2021-22) :

विषय \Longrightarrow	अंग्रेजी	हिंदी	गणित	विज्ञान	सा.विज्ञान	कंप्यूटर विज्ञान
पूर्णांक						
प्राप्तांक						
प्रतिशत						

शैक्षिक व सहशैक्षिक गतिविधियों में मेरी उपलब्धि

(MY ACHIEVEMENT IN CURRICULAR & CO-CURRICULAR ACTIVITIES)



उपलब्धियों का रिकॉर्ड

(RECORDS OF ACHIEVEMENT)

(आपकी अपनी उपलब्धि का गीत,ब्लॉग,फोटोग्राफ,प्रमाण-पत्र अख़बार की कटिंग,यूट्यूब विडियो का यूआरएल आदि का उल्लेख करे और चिपकाये।)



क्रम.सं.	शीर्षक	पृष्ठ सं.
1	विद्यार्थी व्यक्तिगत जानकारी	1
2	मेरा मजबूत और कमजोर पक्ष	3
3	मेरी शैक्षिक उपलब्धि	4
4	शैक्षिक व सहशैक्षिक गतिविधियों में उपलब्धि	4
5	उपलब्धियों का रिकॉर्ड	5
	हिंदी	

बहुविध आकलन-

शैक्षिक व सहशैक्षिक गतिविधियों में प्रदर्शन -

क्र.सं.	सन्दर्भ	छात्र के	प्रति शिक्षक व	की राय
1	नियमितता	हाँ	नहीं	आंशिक -
2	समयबद्धता	हाँ	नहीं	आंशिक -
3	सहयोग की प्रवृति	हाँ	नहीं	संतोषप्रद
4	वर्ग में सक्रियता	हाँ	नहीं	आंशिक
5	प्रश्न-पूछना	हाँ	नहीं	आंशिक -
6	अभिव्यक्ति	अच्छा	बहुत अच्छ	ग संतोषप्रद
7	खेलकूद में सहभागिता	हाँ	नहीं	प्रयास

	साफ-सफाई	अच्छा प्रयास नहीं		
9	गायन-वादन	हाँ नहीं जोर देने पर		
10	चित्र बनाना	हाँ नहीं जोर देने पर		
11	नेतृत्व क्षमता	हाँ संतोषप्रद नहीं		
12	सृजनात्मकता	हाँ नहीं		
13	पठन-पाठन में रूचि	हाँ नहीं आंशिक		
14	कविता-कहानी लेखन	हाँ नहीं कभी-कभी		
15	व्याकरणिक ज्ञान व प्रयोग	संतोषप्रद अच्छा उत्कृष्ट		
16	शिक्षक व बड़ो का आदर	हाँ नहीं कभी-कभी		
17	व्यवहार	उत्तम अतिउत्तम श्रेष्ठ		
18	कक्षा में चर्चा	हाँ नहीं कभी-कभी		
19	गृहकार्य	पूर्ण करता है अधुरा करता है कभी-कभी करता है		
20	मनोस्थिति	अंतर्मुखी बहिर्मुखी		
21	निर्देशों का पालन	हाँ नहीं कभी-कभी		
ख) अन्य कोई विशिष्टता का उल्लेख- 				
יו) קפּ≺				
घ) कार्य भाषा श्रवण व	दिवस उपस्थिति यी कौशलों सम्बन्धी विवरण - कौशल- द्वारा किसी भी प्रासंगिक विषय का स्पष्ट वार			
घ) कार्य भाषा र श्रवण र शिक्षक	दिवस उपस्थितियी कौशलों सम्बन्धी विवरण - कौशल-			
घ) कार्य भाषा श्रवण व शिक्षक 1 शब्दों	दिवस उपस्थिति यी कौशलों सम्बन्धी विवरण - कौशल- द्वारा किसी भी प्रासंगिक विषय का स्पष्ट वास्व	वन और विद्यार्थी मूल्यांकन- उत्तम अतिउत्तम संतोषप्रद		
घ) कार्य भाषा श्रवण शिक्षक 1 शब्दों 2 परिचित्	दिवस उपस्थिति यी कौशलों सम्बन्धी विवरण - कौशल- द्वारा किसी भी प्रासंगिक विषय का स्पष्ट वार को समझने की सामान्य योग्यता-	वन और विद्यार्थी मूल्यांकन- उत्तम अतिउत्तम संतोषप्रद		
घ) कार्य भाषा श्रवण शिक्षक 1 शब्दों 2 परिचित् 3 दीर्घ क	दिवस उपस्थिति यी कौशलों सम्बन्धी विवरण - कौशल- द्वारा किसी भी प्रासंगिक विषय का स्पष्ट वाच को समझने की सामान्य योग्यता- त और अपरिचित कथन को समझने की योग्यत	वन और विद्यार्थी मूल्यांकन- उत्तम अतिउत्तम संतोषप्रद ा- उत्तम अतिउत्तम संतोषप्रद		

अतिउत्तम

उत्तम

संतोषप्रद

6 कविता,भाषण,वाद-विवाद आदि को ध्यानपूर्वक सुनना और अभिव्यक्ति के ढंग को समझना-

	•	
वाचन	काशल-	

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शिक्षक विद्यार्थी से भा	ाषणा क्रितिया कथ	ए गा कियो भी पा	योगेक विषय का	तान्य करतारागा
1416147 148141 77 41	19 91. 971 9 (11. 97 9	וואידוו אווי אווי אווי	תויוש ועשש שוו	GIGT GITGII-

1 सीमित शुद्धता के साथ प्रयोग-	उत्तम	अतिउत्तम	संतोषप्रद
2 भाषण की योग्यता-	उत्तम	अतिउत्तम	संतोषप्रद
3 सस्वर कविता पाठ-	उत्तम	अतिउत्तम	संतोषप्रद
4 कहानी,नाटक,वार्तालाप आदि में पात्रानुकूल संवाद-	उत्तम	अतिउत्तम	संतोषप्रद
5 भावानुकूल संवाद वाचन-	उत्तम	अतिउत्तम	संतोषप्रद
6 उपयुक्त शैली के साथ वाचन-	उत्तम	अतिउत्तम	संतोषप्रद

<u>पठन कौशल-</u> विद्यार्थी किसी प्रासंगिक विषय का पठन करेगा-

1 सरसरी नजर से पाठ का केंद्रीय भाव समझना-		हाँ	आंशिक		नहीं
2 एकाग्रचितता के साथ मौन पठन-	हाँ		आंशिक	नहीं	
3 तुक,लय,यति-गति, बलाघात आदि का ज्ञान –		हाँ	आंशिक		नहीं
4 पठित अंशो का परस्पर अर्थ समझना-		हाँ	आंशिक		नहीं
5 साहित्य की विभिन्न विधाओं के पठन की समझ-	हाँ		आंशिक	नहीं	

लेखन कौशल-विद्यार्थी द्वारा विभिन्न विषयों पर लेख-

1 लिपि और विराम चिह्नों का उचित प्रयोग-	उत्तम	अतिउत्तम	संतोषप्रद
2 प्रभावपूर्ण भाषा और लेखन शैली –	उत्तम	अतिउत्तम	संतोषप्रद
3 सार और भावार्थ लिखना-	उत्तम	अतिउत्तम	संतोषप्रद
4 देखी हुई घटनाओं का वर्णन और प्रतिक्रिया –	उत्तम	अतिउत्तम	संतोषप्रद
5 स्वानुभूत विचार और भावना –	उत्तम	अतिउत्तम	संतोषप्रद
6 लिखने में क्रमबद्धता,मौलिकता और सृजनात्मकता-	उत्तम	अतिउत्तम	संतोषप्रद

गृहकार्य/कक्षा-कार्य जाँच विवरण-

क्र.सं.	सन्दर्भ	हाँ	नहीं	कभी-कभी	अंक 30
1	नियमितता				
2	समयबद्धता				
3	साफ-सफाई				
4	शुद्धता				
5	रख-रखाव				
6	लिखावट और पठनीयता				

विषय संवर्धन गतिविधियाँ (Subject Enrichment Activities) –

विद्यार्थियों के विषय संवर्धन के लिए विभिन्न प्रकार की गतिविधियों आयोजन –

श्रवण	वाचन
लघुकथा	संवाद वाचन
कहानी	मौखिक अभिव्यक्ति
सत्य घटना	स्मरणीय घटना की प्रस्तुति
महापुरुषों की जीवनी	वाद-विवाद प्रतियोगिता
उपर्युक्त विषयों को विद्यार्थियों को सुनाकर विषय संवर्धन हेतु मूल्यांकन	भाषण प्रतियोगिता
प्रश्न (बहुविकल्पीय प्रश्न ,लघु प्रश्न ,घटना या कहानी को दोहराना)	

विषय संवर्धन गतिविधियों में विद्यार्थी का प्रदर्शन -

क्र.स.	विद्यार्थी का मूल्यांकन (25	बहुत अच्छा	अच्छा	औसत	संतोषप्रद
	अंक)				
1	आत्मविश्वास				
2	अभिव्यक्ति				
3	धारा-प्रवाहिता				
4	विषय सम्बद्धता/सुसंगति				
5	उच्चारण				
6	हाव-भाव				
7	आवाज				
8	शब्दावली ज्ञान				
9	व्याकरणिक ज्ञान				
10	पारस्परिक विचार-विमर्श				

छात्र प्रगति पत्र-

विषय	सामयिक परीक्षा-1 40 अंक	अर्द्धवार्षिक परीक्षा 80 अंक	सामयिक परीक्षा-2 40 अंक	प्रीबोर्ड/वार्षिक परीक्षा 80 अंक
हिंदी				

क्रमांक	मासिक प्रगति-पत्र	पूर्णांक	प्राप्तांक	शिक्षक टिपण्णी
1	अप्रैल			
2	मई			
3	जून			
4	जुलाई			
5	अगस्त			
6	सितम्बर			
7	अक्टूबर			
8	नवंबर			
9	दिसम्बर			
10	जनवरी			
11	फरवरी			
12	मार्च			

PM SHRI KENDRIYA VIDYALAYA PASIGHAT SUMMER VACATION HOLIDAY HOMEWORK SUBJECT ART

CLASS I to V

- 1. Make a card decoration 2D. Topic for card- Mother Day (only use in primary and secondary colour paper and thought writing)
- 2. Make a paper mask 2D. Topic for the mask (Animal)

Lion

Elephant

Tiger

Class VI to VIII

- 1. Make atleast 4 different types of Rangoli/ Alpona designs in your drawing book (using geometric concepts of designs)
- 2. Make atleast 4 different types of card for 15 August(INDEPENDENCE DAY).

CLASS IX to XII

- Make two painting A3 size drawing sheets. Topic for the painting international yoga day with slogan Any tribal painting from India
- 2. Make two Mandala Painting A3 size drawing sheets.(One black and white and one colourful)