



ANAND PUBLIC SCHOOL

“Summer vacation is the best time for families to slow down, reconnect, and spend meaningful ‘US’ time together.”

Dear Parents,

Summer Vacation offers a refreshing break for children - a chance to relax, explore, and rejuvenate. More than just a pause from school work, it's a precious time to nurture bonds, foster creativity and plant the seeds of values and memories that last a lifetime.

Children may not remember every toy they receive, but they will always carry the warmth of stories told, meals shared and moments spent with their loved ones. Let's use this opportunity to guide, support and connect with them in ways that matter most.

Below are few suggestions:-

1. All homework must be written clearly and neatly.
2. Assignments should be completed independently by the students. Parental support is encouraged, but the effort should reflect the child's own capabilities.
3. Try conversing in English to help the become portable with the language.
4. Ensure that all work is completed within the given time frame.
5. Holidays homework will be assessed and carry weight in evaluations across all subjects.
6. Children are likely to follow their routine if we give them Positive instructions and lots of praise/appreciation for what they do right.
7. Science week is celebrated in the month of July to enhance the scientific attitude.
8. Encourage daily reading. Cultivating a reading habit is key to lifelong learning.

DATESHEET FOR P.T.-2 EXAMS (IX & XI)

DATESHEET FOR P.T.-3 EXAMS (X, XII)

DATE	IX	XI	X	XII
JULY 07, 2026	English	Phy. Edu.	IT	Phy. Edu.
JULY 10, 2026	Hindi	Acc./Phy./Pol. Sci.	Hindi	Acc./Phy./Pol. Sci.
JULY 14, 2026	Science	English	Science	English
JULY 17, 2026	S.St	B.Std/Chem/Hindi	S.St	B.Std/Chem/Hindi
JULY 21, 2026	Maths	Eco/Bio/Maths	Maths	Eco/Bio/Maths
JULY 24, 2026	IT.	Music	English	Music

School will reopen on July 01, 2026 (Wednesday)

Holidays Homework will be uploaded on E-Care and our website.

**Wishing you all a joyful, relaxing and enriching Summer Break
Enjoy, Enrich, Empower!**



Happy Summer Holidays



HOLIDAYS HOMEWORK FOR CLASS - IX

SESSION : 2026-27

ENGLISH

1. Revise P.T-2 Syllabus:

- * Literature: Lessons 2 & 3
- * Grammar: Determiners, Subject-verb concord
- * Writing: Notice Writing

2. File Work Prepare a file including the following:

1. Cover page
2. Index
3. Certificate
4. Acknowledgement

3. Research Project:

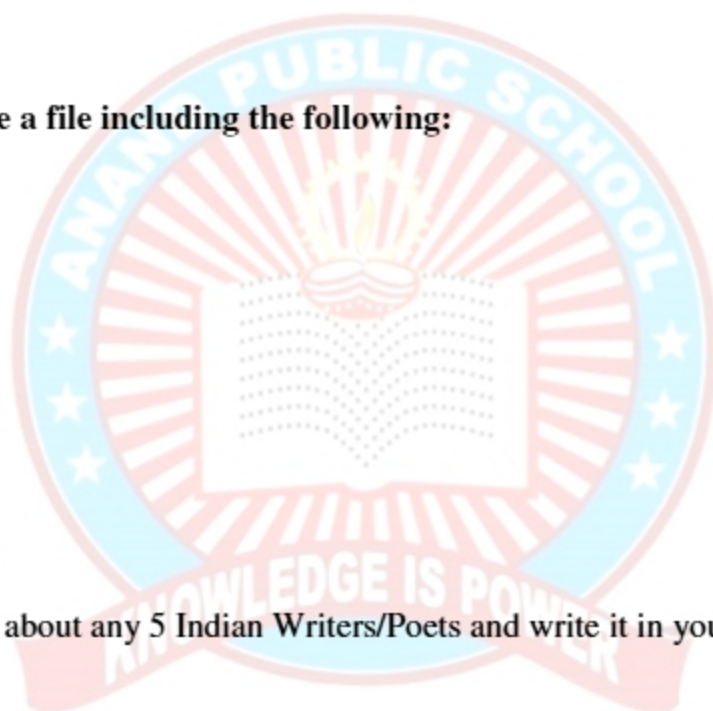
- * Collect information about any 5 Indian Writers/Poets and write it in your file.

4. Literature Assignment:

- * Write the summary/theme of Chapter 2 (The Pot Maker).

5. Practice Book Work:

- * Solve 4 unseen comprehensions.
- * Write Notice 3rd & 4th
- * Solve (5-10) exercises of Editing in Compacta.



SOCIAL SCIENCE

- P.T. 2 Syllabus:

Theme - II : Shaping of the Earth's Surface

Theme - IV : Beginning of Civilisation

- Make a project file by comparing the Harappan Civilization with Mesopotamian and Egyptian civilization focusing on trade route and food habit

OR

- Make a report on the role of local government bodies in providing services like clean water or road maintenance.
- Prepare a project on a specific disaster [e.g floods, earthquakes, forest fire) including causes, consequences and safety measure.
- Learn all the chapters done in class.
- Map work
 - 1) Earthquake Zones
 - 2) India Advancing monsoons
 - 3) India Retreating monsoons

BIOLOGY

- **Holidays Homework Assignment write in your Bio Notebook Ch. Tissues in action**
 1. Explain the epidermis tissue. Write it's function
 2. Differentiate between parenchyma, collenchyma, sclerenchyma.
 3. Name two vascular tissue. Write it's function
 4. Explain the different types of epithelial tissue? Write it's function
 5. Which cell have a large vacuole? Give reason
 6. Draw the labelled structure of neuron?
 7. Differentiate between voluntary and involuntary movement.
 8. Explain the different types of connective tissue and it's function?
 9. Write components of blood and their functions
 10. Write types of joints and their functions
- Write all experiments in practical file and complete it.
- Learn Ch. Tissue in Action for P.T. 2

CHEMISTRY

Chapter: Atom and Molecule

Instructions: Complete all questions in your homework notebook. Draw diagrams where necessary.

- Q1. Define an atom. Who proposed the word 'atom' first?
- Q2. State the Law of Conservation of Mass with one example.
- Q3. What is the Law of Constant Proportions? Who proposed it?
- Q4. Write the postulates of Dalton's Atomic Theory.
- Q5. Why did Dalton's atomic theory fail to explain the concept of isotopes?
- Q6. Define atomic mass unit. What is the atomic mass of carbon taken as standard?
- Q7. How is an atom different from a molecule?
- Q8. What are diatomic molecules? Give two examples.
- Q9. Define ion. How are cations and anions formed?
- Q10. Write the chemical formulae of:
- (i) Sodium oxide (ii) Aluminium chloride
- (iii) Calcium carbonate (iv) Ammonium sulphate
- Q11. What is the difference between 2O and O₂?
- Q12. Calculate the molecular mass of:
- (i) H₂SO₄ (ii) Ca(OH)₂ (iii) (NH₄)₂CO₃
- Q13. What is meant by valency? Write the valency of nitrogen in NH₃ and N₂O₅.
- Q14. Write the symbols and latin names of sodium, potassium, iron and lead.
- Q15. Define mole. What is the value of Avogadro's number?

Q16. Calculate the number of moles in:

- (i) 52 g of He (ii) 12.044×10^{23} atoms of carbon

Q17. How many molecules are present in 90 g of water?

Q18. Explain why atoms of most elements are not able to exist independently.

Q19. What are polyatomic ions? Give three examples with their symbols and charges.

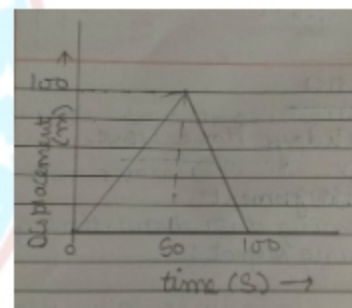
Q20. Write the chemical names of the following compounds:

- (i) NaHCO_3 (ii) CaOCl_2 (iii) KNO_3 (iv) $\text{Mg}(\text{OH})_2$

PHYSICS

- 1) Draw velocity time graph when an object is speeding up?
2) An object starting from rest travel 20 m in first 20 s and 160 m in next 4 s. what will be the velocity after 7 s from the start.

- 3) A girl walks along a straight path to drop a letter in the letter box and comes back to her initial position. Her displacement-time graph shows in figure. Plot a velocity time graph for the same



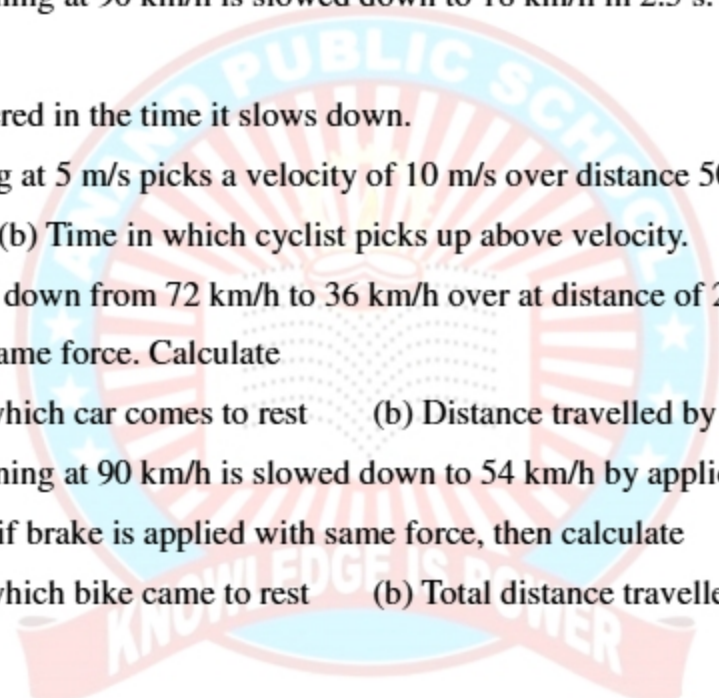
- 4) A scooter starts from rest moves in a straight line with a constant acceleration and covers a distance of 64 m in 4 s.

- 5) A truck is moving on a straight road with uniform acceleration. The following table gives speed of truck at varies instant of time.

Speed (m s^{-1})	5	10	15	20	25	30
time (s)	0	10	20	30	40	50

Draw the speed-time graph by choosing convenient scale. Determine for it.

- i) Acceleration of truck
ii) The distance travelled by truck in 50 s.
6) A motor bike running at 5 m/s, picks up a velocity of 30 m/s. calculate acceleration and distance covered during acceleration.

- 
- 7) A train 100 m long is moving with a velocity of 60 km/h. find the time to covers the bridge 1 km long.
- 8) An athlete completes one round of circular track of diameter 49 m in 2 s. calculate the distance and displacement at end of 30 s.
- 9) The Brake applied to a car produce an acceleration of 6 m/s^2 in the opposite direction of motion. If the Car take 2 s to stop after application of the Brake, calculate the distance it travelled during this time.
- 10) A truck running at 90 km/h is brought to rest over a distance of 25 m. calculate the retardation and time for which brake was applied.
- 11) A motor bike running at 90 km/h is slowed down to 18 km/h in 2.5 s. calculate: -
- Acceleration
 - Distance covered in the time it slows down.
- 12) A cyclist travelling at 5 m/s picks a velocity of 10 m/s over distance 50 m. calculate
- Acceleration
 - Time in which cyclist picks up above velocity.
- 13) A motor car slow down from 72 km/h to 36 km/h over at distance of 25 m. If the brakes are applied with the same force. Calculate
- Total time in which car comes to rest
 - Distance travelled by it
- 14) A motor bike running at 90 km/h is slowed down to 54 km/h by application of brake over distance of 40 m. if brake is applied with same force, then calculate
- Total time in which bike came to rest
 - Total distance travelled by bike

MATHS

Do the following sums:

- What are the x-coordinate and y-coordinate of the point of intersection of the two axes?
- Point W has x-coordinate equal to 5. Can you predict the coordinates of point H which is on the line through W parallel to the y-axis? Which quadrants can H lie in?
- Consider the points R (3, 0), A (0,-2), M (-5,-2) and P (-5,2). If they are joined in the same order, predict:
 - Two sides of RAMP that are perpendicular to each other.
 - One side of RAMP that is parallel to one of the axes.

(iii) Two points that are mirror images of each other in one axis. Which axis will this be? Now plot the points and verify your predictions.

4. Plot point Z (5,-6) on the Cartesian plane. Construct a right-angled triangle IZN and find the lengths of the three sides.

(Comment: Answers may differ from person to person.)

5. Write a polynomial of degree 3 in the variable x, in which the coefficient of the x^2 term is -7.

6. Find the values of the following polynomials at the indicated values of the variables.

(i) $5x^2 - 3x + 7$ if $x = 1$

(ii) $4t^3 - t^2 + 6$ if $t = a$

7. If we multiply a number by $\frac{5}{2}$ and add $\frac{2}{3}$ to the product, we get $\frac{-7}{12}$. Find the number.

8. A positive number is 5 times another number. If 21 is added to both the numbers, then one of the new numbers becomes twice the other new number. What are the numbers?

9. If you have ₹800 and you save ₹250 every month, find the amount you have after

(i) 6 months (ii) 2 years. Express this as a linear pattern.

10. The digits of a two-digit number differ by 3. If the digits are interchanged, and the resulting number is added to the original number, we get 143. Find both the numbers.

11. Draw the graph of the following equations, and identify their slopes and y-intercepts. Also, find the coordinates of the points where these lines cut the y-axis.

(i) $y = -3x + 4$ (ii) $2y = 4x + 7$ (iii) $5y = 6x - 10$ (iv) $3y = 6x - 11$

Are any of the lines parallel?

12. If the temperature of a liquid can be measured in Kelvin units as x K and in Fahrenheit units as y °F, the relation between the two systems of measurement of temperature is given by the

linear equation $y = \frac{9}{5}(x - 273) + 32$

(i) Find the temperature of the liquid in Fahrenheit if the temperature of the liquid is 313 K.

(ii) If the temperature is 158°F, then find the temperature in Kelvin.

13. Convert the following rational numbers in the form of a terminating decimal or non-terminating and repeating decimal, whichever the case may be, by the process of long division:

(i) $\frac{3}{50}$

(ii) $\frac{2}{9}$

14. Prove that $\sqrt{5}$ is an irrational number.

15. Convert the following decimal numbers in the form of $\frac{p}{q}$

(i) 12.6

(ii) 0.0120

(iii) $3.0\overline{52}$

(iv) $1.2\overline{35}$

(v) $0.\overline{23}$

(vi) $0.\overline{25}$

(vii) $2.1\overline{25}$

(viii) $3.1\overline{25}$

(ix) $2.\overline{1625}$

16. Locate the following rational numbers on the number line. (i) 0.532 (ii) 1.15

17. Find 6 rational numbers between 3 and 4.

18. Find 5 rational numbers between $\frac{2}{5}$ and $\frac{3}{5}$

19. Find 5 rational numbers between $\frac{1}{5}$ and $\frac{2}{5}$

20. If $\frac{x}{3} + \frac{x}{5} = \frac{16}{15}$, find the rational number x.

21. Without performing division, determine whether the decimal expansion of $\frac{18}{125}$ is terminating or non-terminating. If it terminates, state the number of decimal places.

22. Use suitable identities to find the following products:

(i) $(-3x+4)^2$

(ii) $(2s+7)(2s-7)$

(iii) $\left(p^2 + \frac{1}{2}\right)\left(p^2 - \frac{1}{2}\right)$

(iv) $(2x+7)(2x-7)$

(v) $(s-2t)(s^2+2st+4t^2)$

(vi) $\left(\frac{1}{2r} - 4r\right)^2$

(vii) $(-3m+4k-l)^2$

(viii) $\left(x - \frac{1}{3}y\right)^3$

(ix) $\left(\frac{7}{2}k - \frac{2}{3}m\right)^3$

23. Find the values using suitable identities:

- (i) 17×21 (ii) 104×96 (iii) 24×16 (iv) 147^3
(v) 199^3 (vi) 127^3 (vii) $(107)^3$ (viii) $(-299)^3$

24. Factor the following algebraic expressions:

- (i) $4y^2 + 1 + \frac{1}{16y^2}$ (ii) $9m^2 - \frac{1}{25n^2}$ (iii) $27b^3 - \frac{1}{64b^3}$
(iv) $x^2 + \frac{5x}{6} + \frac{1}{6}$ (v) $27u^3 - \frac{1}{125} - \frac{247u^2}{5} + \frac{9u}{25}$ (vi) $64y^3 + \frac{1}{125}z^3$
(vii) $p^3 + 27q^3 + r^3 - 9pqr$ (viii) $9m^2 - 12m + 4$ (ix) $9x^3 - \frac{8}{3}y^3 + \frac{z^3}{3} + 6xyz$
(x) $4x^2 + 9y^2 + 36z^2 + 12xy + 36yz + 24xz$ (xi) $27u^3 - \frac{1}{216} - \frac{9u^3}{2} + \frac{u}{4}$

25. Simplify the following:

- (i) $\frac{4x^2 + 4x + 1}{4x^2 - 1}$ (ii) $\frac{9(3a^3 - 24b^3)}{9a^2 - 36b^2}$ (iii) $\frac{s^3 + 125t^3}{s^2 - 2st - 35t^2}$

Note: Assume that the denominators are not equal to 0.

26. Find possible expressions for the length and breadth of each of the following rectangles whose areas are given by the following expressions in square units.

- (i) $25a^2 - 30ab + 9b^2$ (ii) $36s^2 - 49t^2$

27. Find possible expressions for the length, breadth, and heights of each of the following cuboids whose volumes are given by the following expressions in cubic units.

- (i) $6a^2 - 24b^2$ (ii) $3ps^2 - 15ps + 12p$

28. The village playground is shaped as a square of side 40 metres. A path of width s metres is created around the playground for people to walk. Find an expression for the area of the path in terms of s .

29. If a number plus its reciprocal equals $\frac{10}{3}$, find the number.

30. A rectangular pool has area $2x^2 + 7x + 3$ square hastas. If its width is $2x + 1$ hastas, find its length. Hasta was a unit used to measure length.

31. If both $x - 2$ and $x - \frac{1}{2}$ are factors of $px^2 + 5x + r$, show that $p = r$

32. If $a + b + c = 5$ and $ab + bc + ca = 10$, then prove that $a^3 + b^3 + c^3 - 3abc = -25$

33. By factoring the expression, check that $n^3 - n$ is always divisible by 6 for all natural numbers n . Give reasons.

34. Find the value of

(i) $x^3 + y^3 - 12xy + 64$, when $x + y = -4$

(ii) $x^3 - 8y^3 - 36xy - 216$, when $x = 2y + 6$

35. In a circle, a chord is 5 cm away from the centre. If the radius of the circle is 13 cm, what is the length of the chord?

36. An arc of a circle subtends an angle of 70° at the centre. What is the measure of the angle subtended by the arc at a point on the circle?

37. The diameter of a circle is 26 cm. A chord of length 24 cm is drawn in the circle. Find the distance from the centre of the circle to the chord.

38. A circle has a radius of 15 cm. A chord is drawn. The distance from the centre of the circle to the chord is 9 cm. What is the length of the chord?

39. Prove that the perpendicular bisector of a chord passes through the centre of the circle.

40. The diameter of a circle is AB. Point C is on the circumference. What is the measure of the $\angle ACB$? Explain your reasoning.

41. ABCD is a cyclic quadrilateral inscribed in a circle. If $\angle A$ measures 75° , what is the measure of $\angle C$? If $\angle B$ measures 110° , what is the measure of $\angle D$?

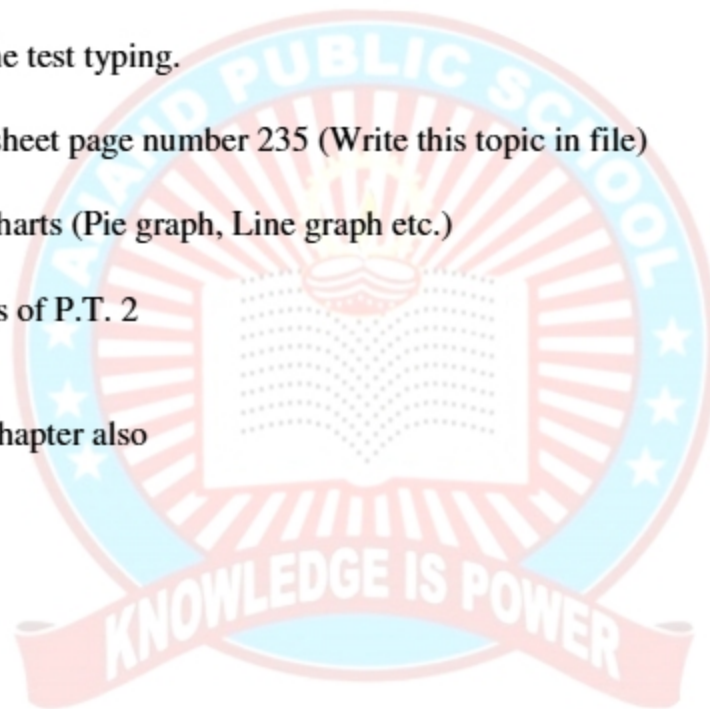
42. Quadrilateral PQRS is inscribed in a circle. If $\angle P = (2x + 10)^\circ$ and $\angle R = (3x - 20)^\circ$, find the value of x and the measures of $\angle P$ and $\angle R$.

43. The distance of a chord of length 16 cm from the centre of a circle is 6 cm. Find the radius of the circle.

44. A cyclic quadrilateral has sides 5, 5, 12, 12 units. Find its area.

INFORMATION TECHNOLOGY

- Write about the following topics in the project file
- * Methods of communication:- Verbal, Non-verbal, Visual
- * Components of the computer system:- input, output, CPU, storage devices.
- * Entrepreneur
- * Goals of sustainable development
- * Types of BPO
- * The guidelines of the test typing.
- * Electronics spread sheet page number 235 (Write this topic in file)
- * Different types of charts (Pie graph, Line graph etc.)
- Revise full syllabus of P.T. 2
- Ch- 3 & 6
- Revise following chapter also
- Ch - 1, 2, 3, 6



CLASS 9th

हिंदी

HOLIDAYS HOMEWORK

संवाद:

1. फैशन की अंधी दौड़ में भटके पुत्र तथा पिता के मध्य संवाद।
2. समय का सदुपयोग समझाने हेतु दादा तथा पोते के मध्य संवाद।

चित्र लेखन:



गतिविधि:

1. दो वेलों की कथा
2. रैदास

दूसरे पद में रैदास की अटूट भक्ति

- संत रैदास -

मुख्य भाव

- भगवान के प्रति अटूट भक्ति और दृढ़ भक्ति।
- भगवान ही जीवन का एकमात्र साधन है।
- भक्त का मन सदा प्रभु से जुड़ा रहता है।

भक्ति का स्वरूप

- निष्काम भक्ति (निष्कामी)।
- पूर्ण आत्मसमर्पण।
- अहंकार का त्याग।

काव्यगत विशेषताएँ

- सरल, सृज और प्रवाहपूर्ण भाषा।
- प्रसंगिक भाषा का प्रयोग।
- भक्ति भाव की गहराई और प्रणयशाली अभिव्यक्ति।

संत रैदास

भक्त की स्थिति

- प्रभु के किए अग्रहण मनुस्य कायन।
- सदा उनके सानिध्य की तलाश।
- दुनिया की सभी वस्तुओं से विरक्ति।

निष्कर्ष

इस पद में संत रैदास भगवान के प्रति अपनी अटूट भक्ति और दृढ़ भक्ति का संदेश देते हैं। वे बताते हैं कि प्रभु ही जीवन का एकमात्र साधन है और भक्त का मन सदा प्रभु से जुड़ा रहता है, जैसा कि पद के विभिन्न श्लोकों से स्पष्ट होता है।

प्रभु जी तुम चन्दन हम पानी

- संत रैदास -

मुख्य भाव

- ईश्वर के प्रति प्रेम और समर्पण।
- भक्ता और भगवान की एकता का भाव।

भक्ति की विशेषता

- सरली और निष्काम भक्ति।
- प्रेम और पूर्ण समर्पण।
- मन से अहंकार का त्याग।

भक्त की विशेषता

- सदा भक्त विद्यार्थी पद से भक्ति करता है।
- ईश्वर से अटूट प्रेम साधता है।
- अपने अग्रहण ईश्वर भगवान का नाम और सेवा करता है।

संत रैदास

भक्त - भगवान संबंध

- चन्दन - पानी**
चन्दन पानी बनता है।
- प्रेम - ईश्वर**
प्रेम भक्त की सेवा साधन है।
- दोष - कर्म**
कर्म भक्त का साधन है।
- भोली - भक्त**
भक्त भक्त बनता है।
- भक्त - प्रभु**
भक्त प्रभु के प्रभु है।

निष्कर्ष

इस पद में संत रैदास बताते हैं कि भक्त भक्त भगवान से इतना प्रेम करता है कि वो भी भक्त बन जाता है। भोली भक्त बनता है, जो भक्त और भक्ति का एक ही रूप है।

दो वेलों की कथा

दो वेलों का परिचय

1. **महाभक्ति और नीति**
दो वेलों के रूप में भी प्रस्तुत हैं। जो एक ही वेलों की नीति का एक ही रूप में होते हैं।
2. **नीति-कथन**
यह दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।
3. **दो वेलों का परिचय**
दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।
4. **दो वेलों का परिचय**
दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।

दो वेलों का परिचय

1. **कर्म और नीति**
दो वेलों का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।
2. **महाभक्ति**
यह दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।
3. **दो वेलों का परिचय**
दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।
4. **दो वेलों का परिचय**
दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।

दो वेलों की कथा

1. अटूट भक्ति
दो वेलों की नीति का एक ही रूप में प्रस्तुत है। जो एक ही नीति का एक ही रूप में होते हैं।

2. भक्तिक के प्रति समर्पण
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3. आत्मसमर्पण
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दो वेलों की कथा

दो वेलों का परिचय

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दो वेलों की कथा

1. अटूट भक्ति
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पुनरावृत्ति (Revision) - PT2 पाठ्यक्रम:

- पाठ 2 (रैदास)
- पाठ 3

व्याकरण:

- निपात
- संज्ञा
- सर्वनाम

लेखन खंड:

- संवाद
- चित्र लेखन