

	<p>11. Find $\sqrt{(x^2 + 4x + 4) \cdot (x^2 + 6x + 9)}$</p> <p>12. Verify that (i) $x^3 + y^3 = (x+y)(x^2 - xy + y^2)$ (ii) $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x+y+z)[(x-y)^2 + (y-z)^2 + (z-x)^2]$</p> <p>13. Draw the quadrilateral with vertices (-4, 4), (-6, 0), (-4, -4) and (-2, 0). Also, name the type of quadrilateral and find its area.</p> <p>14. Plot the points (1, 1), (2, -2) and (-1, -2) and check whether they are collinear or not. If not collinear, then determine the area of the figure.</p> <p>15. Let A and B be the remainders, when the polynomials $y^3 + 2y^2 - 5ay - 7$ and $y^3 + ay^2 - 12y + 6$ are divided by (y+1) and (y-2) respectively. If $2A+B=6$, find the value of a.</p>
p/W	1. Construct a Square not spiral $\sqrt{1}, \sqrt{2}, \sqrt{3}, \dots, \sqrt{11}, \sqrt{12}, \sqrt{13}, \sqrt{14}$ on the chart paper. Make it colourful.
English: H/A	<p>2. Where was Margie's school? Did she have any classmates?</p> <p>3. What kind of teachers did Margie and Tommy have?</p> <p>4. Why was Margie doing badly in geography? What did the Country Inspector do to help her?</p> <p>5. What is the central idea of the poem "The Road Not Taken"?</p> <p>6. How does Evelyn hear music?</p> <p>7. When was Evelyn's deafness confirmed? What advice was given to her?</p> <p>8. How is shehnai different from Pungi?</p> <p>9. Why did Bismillah Khan refuse to start a shehnai school in the USA?</p>
P/W	Life and work of the poet Robert Frost.
हिन्दी H.A.	क्षितिज एवं कृतिका- पढाए गए पाठों के प्रश्नोत्तर लिखें एवं याद करें।
P.W.	अर्थ के आधार पर वाक्य भेद याद करें। मुशी प्रेमचंद के व्यक्तित्व एवं कृतित्व को चार्ट पेपर पर प्रस्तुत करें।
संस्कृत H.A.	1) वर्णोच्चारण के सूत्रों को लिखकर तथा याद कर लाना है।
P.W.	2) शब्दरूप - बालक, लता, मुनि, साधु, नदी के रूपों के लिखकर तथा याद करके लाना है। धातुरूप बनाने वाले प्रत्ययों को लट्, लृट्, लङ्, लोट् विधिलिङ् में लिख कर तथा इन पर एक धातु रूप बनाकर फाइल पेज में लिखकर लाएँ।
IT(402) H/A P/W	<p>1. Fill in the blanks Unit -I from IT book(from any publication or pdf)</p> <p>2. Explain any 10 input and output devices with diagram.</p>

Class IX

Physics H/A	<ol style="list-style-type: none"> Define the term:- Rest, Motion, Distance, Displacement, Speed, Velocity, Acceleration, Uniform motion, Non Uniform motion, Uniform motion, Non Uniform acceleration. Average speed Write the equations of motion and do at least 10 numerical problems based on them. Explain graphs used in physics for motion to represent their characteristics.
Physics P/W	1. Draw the graphs for given table in your textbook related to motion.
Chemistry H/A	<ol style="list-style-type: none"> Do all text questions of page no. 6. Do exercise questions Q.no. 1 to Q. no. 5 given on Page no. 12
Chemistry P/W	1. Collect detail information on plasma and BEC.
Biology H/A	<ol style="list-style-type: none"> How do biotic and abiotic factors affect crop production? Name the factor for which variety improvement is done? Write the differences between Manure and fertilizers? Write the advantages of mixed cropping and inter cropping. What are the advantages of composite fish culture?
Biology P/W	Collect the seeds of Rabi and Kharif crops
Geography H/A	<ol style="list-style-type: none"> Classify the states into four groups each having common frontiers with (i) Pakistan (ii) China (iii) Myanmar (iv) Bangladesh Write short notes. (i) Plate tectonic (ii) Convergent boundary (iii) divergent boundary (iv) Transform boundary.
P/W	Show the following on Political map of India. (i) Tropic of cancer (ii) Place situated on the three seas (iii) The strait separating Sri Lanka from India. (iv) Union territories of India.
History H/A	<ol style="list-style-type: none"> What were the causes of the French Revolution? What were the roles of the philosophers in French Revolution?
P/W	Write a brief biography of Napoleon Bonepate.
Eco. H/A	<ol style="list-style-type: none"> Write the answers of the following questions. <ol style="list-style-type: none"> How did the spread of electricity help the farmers of Palampur? Is it important to increase the under irrigation? Why? Why are the wages of farm labourers in Palampur less than the minimum wages ? Construct table on the distribution of land among the 450 families in Palampur.
Pol. Sc. H/A	<ol style="list-style-type: none"> Features of democracy. Merits and demerits of democracy.
P/w	Write the names of 10 democratic and 10 non democratic countries with the type of governments.
Maths H/A	<ol style="list-style-type: none"> If $\sqrt{2} = 1.4142$, find the value of $\sqrt{\frac{\sqrt{2}-1}{\sqrt{2}+1}}$ If $x=1+\sqrt{2}$, then find the value of $(x - \frac{1}{x})^3$. Evaluation : $\frac{2^{40} + 2^{39} + 2^{38}}{2^{41} + 2^{40} - 2^{39}}$ Show that $(x^{a-b})^{a+b} \cdot (x^{b-c})^{b+c} \cdot (x^{c-a})^{c+a} = 1$ If $2^x = 3^y = 6^z$, Prove that $\frac{1}{x} + \frac{1}{y} - \frac{1}{z} = 0$ Visualize $4.\overline{26}$ on the number line upto 4 decimal places. Represent $\sqrt{9.\overline{3}}$ on the number line. If $\frac{2+\sqrt{3}}{2-\sqrt{3}} = a + b\sqrt{3}$, find the value of $a^2 + b^2$. Without actual division, prove that $(2x^4 - 6x^3 + 3x^2 + 3x - 2)$ is exactly divisible by $(x^2 - 3x + 2)$. Factories: $x^2 + \frac{1}{x^2} + 2 - 2x - \frac{2}{x}$