

SUBJECT	HOMEWORK ASSIGNED	CLASS
ARTIFICIAL INTELLIGENCE	1. What are the elements of non-verbal communication? 2. What are the benefits of visual communication? 3. List the features of effective communication. 4. Write the Barriers of communication 5. Write the 7 C's of Communication helps you to communicate more effectively. 6. Explain the Parameters of Effective Articles. ("Five C's" to make a written article effective)	IX A1+A2
BIOLOGY	Chapter- cell fundamental and structural unit of life Q1- write ten questions and answer of one marks Q2- write the difference between prokaryotic and Eukaryotic cell Q3- write the functions of the following vacuole ribosome plastid Q4- draw the well labelled diagram of Endoplasmic reticulum mitochondria plastids	IX A1+A2
CHEMISTRY	Write and learn all the taught questions answers of chapter 1st upto page no. 6	IX A1+A2
DRAWING	Any one craft work	IX A2
ENGLISH	To Read 1. lesson 1 the fun they had. 2 poem -The road not taken. 2. lesson 2 The sound of Music Part ( I +II) To Learn . All the questions Answers of both the lessons. 3. To write -Imagin you are Tommy/Margie, write a diary Entry sharing your experience about E-schools and Old kind of schools.	IX A1
ENGLISH	Q.1. Prepare Tense Chart in Chart Paper. Q.2. Taking help from the given input and the beginning of the story, write a complete story. 'A woodcutter was chopping down trees on the bank of a river. His hands were so much wet with his sweat that he lost his grip ..... Hints: Axe fell down into river ..... couldn't swim ..... unhappy at his misfortune and wept .... God of Forests appeared..... promised to get back his axe.... dived .... came out with an axe of gold ..... 'not mine' ..... dived again ..... came out with silver axe..... noy mine, said woodcutter .... dived again ... came out with woodcutter's axe .... 'this is my axe' ... truly honest ... rewarded all three axes to the woodcutter. Q.3. You are Sarita of DAV Public School, Katni. You celebrated your fifteenth birthday with a lot of pomp and show with your family, friends and relatives. Describe the happy experience in your personal diary. Q.4. Taking the help of given information, develop it into a paragraph in about 120 words. Hints: 'The Fun They Had' ..... year 2157 .... no separate buildings ... no human teachers .... no printed books ... e- books .... TV screen ... mechanical teacher .... slot to put homework .... no fun of old schools .... not same learnings.	IX A2
HINDI	1- पत्र लेखन- औपचारिक/अनौपचारिक 2- लघुकथा लेखन 3- शब्दालंकार परिभाषा, भेद, उदाहरण। 4- पाठ-1 साखी, दो बैलों की कथा, प्रश्नोत्तर याद करना। 5- हिंदी के 50 कठिन शब्द अर्थ सहित लिखना।	IX A1
HINDI	अनुच्छेद लेखन भ्रष्टाचार, मोबाइल का दुरुपयोग ईमेल लेखन औपचारिक पत्र अनौपचारिक पत्र संवाद लेखन	IX A2

MATHEMATICS	<p>1 Express <math>0.(001)\overline{}</math> as a rational number.</p> <p>2 Express <math>\sqrt{2}</math> on the number line.</p> <p>3</p> <p>4. Simplify : <math>\sqrt{45} + 3\sqrt{20} + 4\sqrt{5}</math></p> <p>Find two rational numbers between <math>(1/5)</math> and <math>3/6</math></p> <p>5. If <math>x = 2 + \sqrt{3}</math>, find the value of <math>x^2 + 1/x^2</math></p> <p>6. If <math>\sqrt{2} = 1.414</math>, find the value of <math>1/(\sqrt{2}+1)</math></p> <p>7. Express <math>3/(7+2\sqrt{5})</math> with rational denominator</p> <p>8. Simplify : <math>(3\sqrt{5} - 5\sqrt{2})(4\sqrt{5} + 3\sqrt{2})</math></p> <p>9. <math>\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}</math></p> <p>10. Rationalise the denominator <math>(2 + \sqrt{3})/(2 - \sqrt{3})</math></p> <p>11. Find the value of b if <math>(\sqrt{2} + \sqrt{3})/(3\sqrt{2} - 2\sqrt{3}) = 2 - b\sqrt{6}</math></p> <p>12. If <math>x = (\sqrt{3}+1)/(\sqrt{3}-1)</math> and <math>y = (\sqrt{3}-1)/(\sqrt{3}+1)</math>, find the value of <math>x^2 + y^2 + xy</math></p> <p>13 If <math>\sqrt{5} = 2.236</math> and <math>\sqrt{6} = 2.449</math>, find the value of <math>(1 + \sqrt{2})/(\sqrt{5} + \sqrt{3}) + (1 - \sqrt{2})/(\sqrt{5} - \sqrt{3})</math></p> <p>14. If <math>x = 1/(2 - \sqrt{3})</math>, find the value of <math>x^3 - 2x^2 - 7x + 5</math>.</p> <p>15 If <math>x = (\sqrt{a+2b} + \sqrt{a-2b})/(\sqrt{a+2b} - \sqrt{a-2b})</math>, show that <math>bx^2 - ax + b = 0</math></p> <p>16. Find a rational number between <math>\sqrt{2}</math> and <math>\sqrt{3}</math>.</p> <p>17. Rationalise the denominator of <math>1/(\sqrt{7}-2)</math></p> <p>18. If <math>a^x = b^y = c^z</math> and <math>b^2 = ac</math> prove that <math>1/x + 1/z = 2/y</math></p> <p>20. Prepare a spiral square root chart.</p> <p>19. Find the values of a and b if <math>(\sqrt{3} + \sqrt{2})/(2\sqrt{2} - 2\sqrt{3}) = 2 - b\sqrt{6}</math></p> <p>Remark: this summer vacation home work will be consider as a part of multiple assessment.</p>	IX A2
MATHEMATICS	<p>Page no.05</p> <p>Qno.2,3,</p> <p>Page no.08</p> <p>Qno.3</p> <p>Page no.12</p> <p>Example 9</p> <p>Pageno.13</p> <p>Example - 10</p> <p>Pageno.14</p> <p>Qno.3,7,8</p> <p>Pageno.19</p> <p>Example 13,14,15</p>	IX A1
PHYSICAL EDUCATION	Make a chart of number of players in different game, National games of different countries, and differnt events of Athletics (Track and Field events)	IX A1+A2
PHYSICS	<p>1. Distinguish between speed and velocity</p> <p>2. define uniform motion and non-uniform motion.</p> <p>3. draw graphical representation of motion.</p> <p>4. Solve numerical question no 1 to 5 from exercise of motion.</p> <p>5. Learn chapter motion.</p>	IX A1+A2

SOCIAL SCIENCE	<p>The French Revolution</p> <p>Write the answers of following questions in your copy:-</p> <ol style="list-style-type: none"> <li>1. When did the French Revolution begin?</li> <li>2. What was Bastille and what led to the fall of Bastille ?</li> <li>3. Why was the Bastille hated by all?</li> <li>4. What was the immediate cause of rioting in Paris?</li> <li>5. Who was the ruler of France during the revolution? When did he ascended the throne of France?</li> </ol> <p>Write the following answers in your copy:-</p> <ol style="list-style-type: none"> <li>1. The French Revolution began with the fall of the Bastille on 14th July 1789.</li> <li>2. Bastille was the fortress-prison in Paris. It was hated by all. It symbolised the despotic power of the king.</li> <li>A. On 14th July 1789, the Bastille (fortress prison) fell in the city of Paris and the city was in a state of alarm.</li> <li>B. Rumours were ripe in the city of Paris that the king had ordered troops to move into the city and fire upon citizens.</li> <li>C. Some 7000 men and women who had formed a people's militia broke into the government buildings in search of arms.</li> <li>D. Of these a few hundred stormed the fortress prison, the Bastille, in search of hoarded ammunition.</li> <li>E. In the armed fight the commander of the Bastille was killed and the prisoners released. The fortress was hated by people as it stood for the despotic power of the king.</li> <li>F. The fortress was demolished and its stone fragments sold in the market as souvenir of its destruction.</li> <li>3. The Bastille was hated by all because it stood for the despotic power of the king.</li> <li>4. The high price of bread was the immediate cause of rioting in Paris.</li> </ol>	IX A1+A2
SOCIAL SCIENCE	<p>Answer the following questions:</p> <ol style="list-style-type: none"> <li>1. Name the group of islands lying in the Arabian sea.</li> <li>2. Name the countries which are larger than India.</li> <li>3. Which island group of India lies to its south-east?</li> <li>4. Which island countries are our southern neighbours?</li> <li>5. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time. How does this happen?</li> <li>6. The central location of India at the head of the Indian Ocean is considered of great significance. Why?</li> <li>7. Modern farming methods require more inputs which are manufactured in industry. Do you agree?</li> <li>8. How did the spread of electricity help farmers in Palampur?</li> <li>9. Is it important to increase the area under irrigation? Why?</li> <li>10. What are the different ways of increasing production on the same piece of land? Use examples to explain.</li> </ol>	IX A1+A2