

**केन्द्रीय विद्यालय उडुपि**  
**KENDRIYA VIDYALAYA UDUPI**  
**शरदकालीन गृहकार्य**  
**HOLIDAY HOMEWORK AUTUMN BREAK**  
**[21-10-2020 TO 31-10-2020]**

<b><u>CLASS : III</u></b>	
<b>Subject</b>	<b>Homework</b>
<b>ENGLISH</b>	<ol style="list-style-type: none"> <li>1. Pick ten difficult words from all lessons and prepare a chart.</li> <li>2. Make a video of drama/poem recitation from textbook</li> </ol>
<b>HINDI</b>	<ol style="list-style-type: none"> <li>1. 1 से 50 तक हिंदी में गिनती याद करें ।</li> <li>2. मीरा बहन और बाघ पाठ को पढ़ें एवं नए शब्दों को लिखें ।</li> <li>3. पढ़ाए गए पाठों को याद कीजिये ।</li> </ol>
<b>MATHS</b>	<ol style="list-style-type: none"> <li>1. Learn tables upto 20.</li> <li>2. Revise all the chapters that have been taught. An online quiz will be conducted after the autumn break, based on your covered syllabus itself.</li> <li>3. Complete bookwork and notebook homework if it's pending.</li> </ol>
<b>EVS</b>	<ol style="list-style-type: none"> <li>1. Find out how alphabets are written in Braille script. Write from A to Z. Write your name in Braille script.</li> <li>2. Take some wool for thick thread. Paste it into different shapes (for example; circle, triangle, square, any number any alphabet) then try to recognize them by touching with your eyes closed. In this activity you should take help your parents.</li> <li>3. Read next lesson "the story of food". Name some food items and categorized them as leaves, flowers, stem and fruits. For example we eat cauliflower which is the flower of the plant.</li> </ol>

<b><u>CLASS : IV</u></b>	
<b>Subject</b>	<b>Homework</b>
<b>ENGLISH</b>	<ol style="list-style-type: none"> <li>3. Pick ten difficult words from all lessons and prepare a chart.</li> <li>2. Make a video of drama/poem recitation from textbook</li> </ol>
<b>HINDI</b>	<ol style="list-style-type: none"> <li>1. Classroom app में भेजी गई सभी वीडियो को ध्यान से देखें।</li> <li>2. वर्णमाला, बारहखड़ी और एक से सौ तक गिनती याद करो और लिखो।</li> <li>3. किन्हीं 10 शब्दों का वर्ण विच्छेद करो।</li> <li>4. पाठ-11 पढ़ो।</li> <li>5. पाठ्य पुस्तक से किन्हीं 10 शब्दों के वचन बदलो ।</li> </ol>
<b>MATHS</b>	<ol style="list-style-type: none"> <li>1. Learn tables upto 20.</li> <li>2. Revise all the chapters that have been taught. An online quiz will be conducted after the autumn break, based on your covered syllabus itself.</li> <li>3. Complete bookwork and notebook homework if it's pending.</li> </ol>
<b>EVS</b>	<ol style="list-style-type: none"> <li>1. write an essay on Importance of sports.</li> <li>2. write a short note on water conservation.</li> <li>3. Revise all the chapters that have been taught.</li> </ol>

CLASS : V	
Subject	Homework
ENGLISH	1. Pick ten difficult words from all lessons and prepare a chart. 2. Make a video of drama/poem recitation from textbook
HINDI	1. Classroom app में भेजी गई सभी वीडियो को ध्यान से देखें। 2. वर्णमाला, बारहखड़ी और एक से सौ तक गिनती याद करो और लिखो। 3. किन्हीं 10 शब्दों का वर्ण विच्छेद करो। 4. पाठ-12 पढ़ो। 5. पाठ्य पुस्तक से किन्हीं 10 शब्दों के वचन बदलो।
MATHS	1. Learn tables upto 20. 2. Revise all the chapters that have been taught. An online quiz will be conducted after the autumn break, based on your covered syllabus itself. 3. Complete bookwork and notebook homework if it's pending.
EVS	1. Complete notes & Revise lesson No.14 2. Fill all the states, union territory and its capital name in the India map. Paste it in your notebook. 3. Fill all the continents and ocean names in the world map. Paste it in your notebook. 4. Read next lesson & paste or draw a picture to show occurrence of any one of natural disaster.

CLASS : VI	
Subject	Homework
ENGLISH	CCT PRACTICE – Completion of Modules
HINDI	1. दीपावली त्यौहार पर एक निबंध लिखें। 2. पाठ आधारित प्रश्नोत्तर तैयार करें। 3. पाठ्यपुस्तक से कोई पसंदीदा कविता कंठस्थ (याद) करें। 4. एक सप्ताह का अवकाश प्राप्त करने हेतु अपने प्राचार्य महोदय को एक पत्र लिखें।
SANSKRIT	1. शब्दरूपाणि लिखत - "बालक, बालिका, पुष्प" 2. धातुरूपाणि लिखत - "पठ् (पढ़ना)" 3. "बकस्य प्रतीकारः" इति पाठं पठत।
MATHS	<p><b>Que. 1.</b> A vessel has 4 litres and 500 ml of curd. In how many glasses, each of 25 ml capacity, can it be filled?</p> <p><b>Que. 2.</b> Estimate the following products using general rule: (a) <math>578 \times 161</math> (b) <math>5281 \times 3491</math> (c) <math>1291 \times 592</math> (d) <math>9250 \times 29</math> Make four more such examples.</p> <p><b>Que. 3.</b> Which of the following statements are true (T) and which are false (F) ?  (a) Zero is the smallest natural number. (b) 400 is the predecessor of 399.  (c) Zero is the smallest whole number. (d) 600 is the successor of 599.  (e) All natural numbers are whole numbers. (f) All whole numbers are natural numbers.  (g) The predecessor of a two digit number is never a single digit number.  (h) 1 is the smallest whole number. (i) The natural number 1 has no predecessor.  (j) The whole number 1 has no predecessor.  (k) The whole number 13 lies between 11 and 12.  (l) The whole number 0 has no predecessor.  (m) The successor of a two digit number is always a two digit number.</p> <p><b>Que. 4.</b> Find the product by suitable rearrangement: (a) <math>2 \times 1768 \times 50</math> (b) <math>4 \times 166 \times 25</math> (c) <math>8 \times 291 \times 125</math> (d) <math>625 \times 279 \times 16</math> (e) <math>285 \times 5 \times 60</math> (f) <math>125 \times 40 \times 8 \times 25</math></p> <p><b>Que. 5.</b> Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case.</p>

	<p><b>Que. 6.</b> Explain with appropriate figures:          (i) Points (ii) Line Segment (iii) A Line (iv) Intersecting Lines (v) Parallel Lines (vi) Curves          (viii) Polygons (ix) Angles (x) Triangles (xi) Quadrilaterals (xii) Circles</p>												
<b>SOCIAL SCIENCE</b>	<p><b>I. Match the following</b></p> <table border="0"> <tr> <td>1. Manuscript</td> <td>a. Pakistan</td> </tr> <tr> <td>2. Archeologist</td> <td>b. 366 days</td> </tr> <tr> <td>3. Harrapa</td> <td>c. Galaxy</td> </tr> <tr> <td>4. Leap Year</td> <td>d. Written on palm leaf</td> </tr> <tr> <td>5. Group of stars</td> <td>e. Chota Nagpur</td> </tr> <tr> <td></td> <td>f. who find about past</td> </tr> </table> <p><b>II. Fill in the blanks</b></p> <ol style="list-style-type: none"> <li>The daily motion of the earth is called as _____.</li> <li>The 0° Meridian is also known as _____.</li> <li>Name of the urban civilization existed around 4700 years ago was _____</li> <li>There are _____ heat zones on earth.</li> <li>There are _____ planets in our solar system.</li> </ol> <p><b>III. Answer the following questions in one sentence.</b></p> <ol style="list-style-type: none"> <li>What is universal adult franchise?</li> <li>What are stars?</li> <li>Name the earth's twin planet?</li> <li>What is Globe?</li> <li>What are the non farm activities in village kalpattu?</li> </ol> <p><b>IV. Draw the diagram of Solar System and identify the planets according to their order.</b>  <b>OR</b>  <b>Draw the neat diagram of Globe and identify the heat zones.</b></p> <p><b>IV. Identify the following places on the outline map of India.</b></p> <ol style="list-style-type: none"> <li>Indus river</li> <li>Mehragarh.</li> <li>Harrappa</li> <li>Lothal</li> </ol> <p><b>V. Make a globe using ball. (Model making)</b></p>	1. Manuscript	a. Pakistan	2. Archeologist	b. 366 days	3. Harrapa	c. Galaxy	4. Leap Year	d. Written on palm leaf	5. Group of stars	e. Chota Nagpur		f. who find about past
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<b>SCIENCE</b>	<p><b>Que. 1</b> Make any one of the following for Science Exhibition</p> <ol style="list-style-type: none"> <li>Science working model</li> <li>Science project on any topic from your syllabus.</li> </ol> <p><b>Que 2.</b> Prepare PowerPoint presentation on any One topic from your syllabus</p> <p><b>Que 3.</b> Solve PISA questions in your notebook( for PISA questions you can see below pdf)</p> <p><b>Que4.</b> Learn all important points and questions Answers of all completed chapters.</p>												

<b>CLASS : VII</b>	
<b>Subject</b>	<b>Homework</b>
ENGLISH	CCT PRACTICE – Completion of Modules
HINDI	<ol style="list-style-type: none"> <li>अनुच्छेद लेखन –            (क) दशहरा (ख) दीपों का त्योहार – दीपावली</li> <li>पत्र लिखकर अपने मित्र को दशहरे के त्योहार पर अपने घर आमंत्रित करें।</li> </ol>

	<p>3. बाल महाभारत के पाठ यक्ष –प्रश्न से विराट के भ्रम पाठों से प्रत्येक पाठ से 2-2 प्रश्न बनाकर उत्तर लिखिए।</p> <p>4. रहीम के दोहे कंठस्थ (याद) करें।</p> <p>5. विशेषण किसे कहते हैं ? विशेषण के भेदों को समझाइए।</p>
SANSKRIT	<p>1. शब्दरूपाणि लिखत - "मति, नदी, पितृ"</p> <p>2. धातुरूपाणि लिखत - "चर्, कृ"</p> <p>3. "अहमपि विद्यालयं गमिष्यामि" इति पाठं पठत।</p>
MATHS	<p><b>Que. 1.</b> In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If Jack's scores in five successive rounds were 25, – 5, – 10, 15 and 10, what was his total at the end?</p> <p><b>Que. 2.</b> A water tank has steps inside it. A monkey is sitting on the topmost step (i.e., the first step). The water level is at the ninth step. (i) He jumps 3 steps down and then jumps back 2 steps up. In how many jumps will he reach the water level?</p> <p>(ii) After drinking water, he wants to go back. For this, he jumps 4 steps up and then jumps back 2 steps down in every move. In how many jumps will he reach back the top step?</p> <p>(iii) If the number of steps moved down is represented by negative integers and the number of steps moved up by positive integers, represent his moves in part (i) and (ii) by completing the following; (a) <math>-3 + 2 - \dots = -8</math> (b) <math>4 - 2 + \dots = 8</math>. In (a) the sum <math>(-8)</math> represents going down by eight steps. So, what will the sum 8 in (b) represent?</p> <p><b>Que. 3.</b> In a class test containing 10 questions, 5 marks are awarded for every correct answer and <math>(-2)</math> marks are awarded for every incorrect answer and 0 for questions not attempted. (i) Mohan gets four correct and six incorrect answers. What is his score? (ii) Reshma gets five correct answers and five incorrect answers, what is her score? (iii) Heena gets two correct and five incorrect answers out of seven questions she attempts. What is her score?</p> <p><b>Que. 4.</b> Ritu ate <math>\frac{3}{5}</math> part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much?</p> <p><b>Que. 5.</b> Vidya and Pratap went for a picnic. Their mother gave them a water bag that contained 5 litres of water. Vidya consumed <math>\frac{2}{5}</math> of the water. Pratap consumed the remaining water. (i) How much water did Vidya drink? (ii) What fraction of the total quantity of water did Pratap drink?</p> <p><b>Que. 6.</b> Solve the following: (a) The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87. What is the lowest score? (b) In an isosceles triangle, the base angles are equal. The vertex angle is <math>40^\circ</math>. What are the base angles of the triangle? (Remember, the sum of three angles of a triangle is <math>180^\circ</math>). (c) Smita's mother is 34 years old. Two years from now mother's age will be 4 times Smita's present age. What is Smita's present age? (d) Sachin scored twice as many runs as Rahul. Together, their runs fell two short of a double century. How many runs did each one score?</p> <p><b>Que. 7.</b> Explain with appropriate figures: (i) Supplementary Angles (v) Vertically Opposite Angles (ii) Adjacent Angles (vi) Intersecting Lines (iii) Complementary Angles (vii) Transversal (iv) Linear Pair (viii) Angles made by a Transversal (ix) Transversal of Parallel Lines</p>

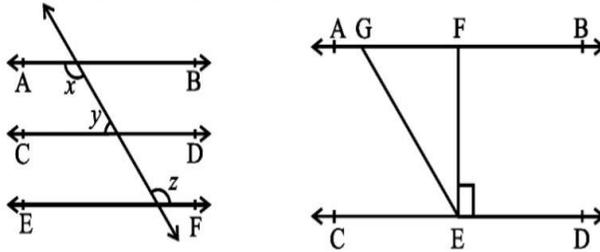
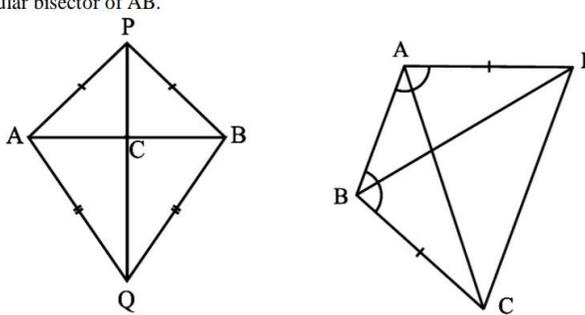


SANSKRIT	<p>1. शब्दरूपाणि लिखत - "स्वसू, राजन्"</p> <p>2. धातुरूपाणि लिखत - "खाद्, इष्"</p> <p>3. "सप्तभगिन्यः" इति पाठं पठत।</p>												
MATHS	<p>Que. 1. Three consecutive integers are such that when they are taken in increasing order and multiplied by 2, 3 and 4 respectively, they add up to 74. Find these numbers.</p> <p>Que. 2. The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?</p> <p>Que. 3. The number of boys and girls in a class are in the ratio 7:5. The number of boys is 8 more than the number of girls. What is the total class strength?</p> <p>Que. 4. Baichung's father is 26 years younger than Baichung's grandfather and 29 years older than Baichung. The sum of the ages of all the three is 135 years. What is the age of each one of them?</p> <p>Que. 5. Sum of the digits of a two-digit number is 9. When we interchange the digits, it is found that the resulting new number is greater than the original number by 27. What is the two-digit number?</p> <p>Que. 6. One of the two digits of a two digit number is three times the other digit. If you interchange the digits of this two-digit number and add the resulting number to the original number, you get 88. What is the original number?</p>												
SOCIAL SCIENCE	<p><b>I. Match the following.</b></p> <table border="0"> <tr> <td>1. Fundamental Rights</td> <td>a. Shifting Cultivation</td> </tr> <tr> <td>2. Indigo cultivation</td> <td>b. Right to Equality</td> </tr> <tr> <td>3. Jhum Cultivation</td> <td>c. 1951</td> </tr> <tr> <td>4. Secularism</td> <td>d. Nij and ryoti</td> </tr> <tr> <td>5. Battle of Plassey</td> <td>e. No official religion of State</td> </tr> <tr> <td></td> <td>f. 1757</td> </tr> </table> <p><b>II. Answer the following questions in one sentence.</b></p> <p>6. When battle of buxar fought?</p> <p>7. Which are the two main climatic factors responsible for soil formation?</p> <p>8. What was Diwani Right?</p> <p>9. Who implemented 'Doctrine of Lapse'?</p> <p>10. What is sustainable development?</p> <p><b>III. Answer the following questions.</b></p> <p>6. Why do we need Constitution? Mention the six fundamental rights</p> <p>7. Write the preamble of India on a chart paper.</p> <p><b>8. Why land is considered an important resource? Write any two reasons for land degradation today. How can we improve it? (Better if explained with sketch/drawing)</b></p> <p><b>IV. In the given outline map of India identify the following historical places.</b></p> <p>a. Calcutta      b. Madras      c. Poona      d. Delhi      e. Mysore</p>	1. Fundamental Rights	a. Shifting Cultivation	2. Indigo cultivation	b. Right to Equality	3. Jhum Cultivation	c. 1951	4. Secularism	d. Nij and ryoti	5. Battle of Plassey	e. No official religion of State		f. 1757
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SCIENCE	<p><b>Que. 1</b> Make any one of the following for Science Exhibition</p> <p>a. Science working model</p> <p>b. Science project on any topic from your syllabus.</p> <p><b>Que 2.</b> PowerPoint presentation on any One topic from your syllabus</p>												

**Que 3.** Solve PISA questions in your notebook (for PISA questions you can see below pdf)

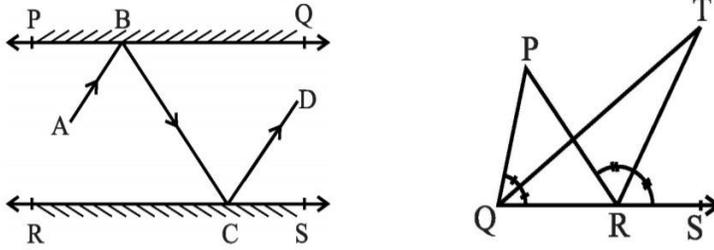
**Que 4.** Learn all important points and questions Answers of all completed chapters.

**CLASS : IX**

Subject	Homework
<b>ENGLISH</b>	CCT PRACTICE – Completion of Modules
<b>HINDI</b>	<ol style="list-style-type: none"><li>1. अनुच्छेद लेखन –( 100-150 शब्द )</li><li>2. कोरोना महामारी का विद्यार्थी जीवन पर प्रभाव</li><li>3. दशहरेके त्योहार के संबंध में अपने मित्र से हुई बातचीत को संवाद रूप में लिखिए ।</li><li>4. यमक अलंकार और श्लेष अलंकार अंतर उदाहरण सहित स्पष्ट करें</li><li>5. पाठ्य - पुस्तक में दी गई 'कबीर की सखियों' को कंठस्थ कीजिए ।</li><li>6. अर्थ के आधार पर वाक्य भेदों को समझाइए ।</li><li>7. वर्तमान में बढ़ती डिजिटल शिक्षा की उपयोगिता पर अपने विचार बताते हुए अपने मित्र को एक पत्र लिखिए ।</li></ol>
<b>SANSKRIT</b>	<ol style="list-style-type: none"><li>1. शब्दरूपाणि लिखत - "मुनि,नदी,वारि"</li><li>2. धातुरूपाणि लिखत - "अस्,भू,पठ्"</li><li>3. "जटायोः शौर्यम्" इति पाठं पठत।</li></ol>
<b>MATHS</b>	<p><b>Que. 1. Solve both parts.</b></p> <p>In the below left figure, if <math>AB \parallel CD</math>, <math>CD \parallel EF</math> and <math>y : z = 3 : 7</math>, find <math>x</math>.</p>  <p><b>OR</b></p> <p>In the above right sided figure, if <math>AB \parallel CD</math>, <math>EF \perp CD</math> and <math>\angle GED = 126^\circ</math>, find <math>\angle AGE</math>, <math>\angle GEF</math> and <math>\angle FGE</math>.</p> <p><b>Que. 2. Solve both parts.</b></p> <p><math>AB</math> is a line-segment. <math>P</math> and <math>Q</math> are points on opposite sides of <math>AB</math> such that each of them is equidistant from the points <math>A</math> and <math>B</math> (see below left figure). Show that the line <math>PQ</math> is the perpendicular bisector of <math>AB</math>.</p>  <p><b>OR</b></p> <p><math>ABCD</math> is a quadrilateral in which <math>AD = BC</math> and <math>\angle DAB = \angle CBA</math> (see the above right sided figure). Prove that (i) <math>\triangle ABD \cong \triangle BAC</math> (ii) <math>BD = AC</math> (iii) <math>\angle ABD = \angle BAC</math>.</p>

### Que. 3. Solve both parts.

In the adjoining figure, PQ and RS are two mirrors placed parallel to each other. An incident ray AB strikes the mirror PQ at B, the reflected ray moves along the path BC and strikes the mirror RS at C and again reflects back along CD. Prove that  $AB \parallel CD$ .



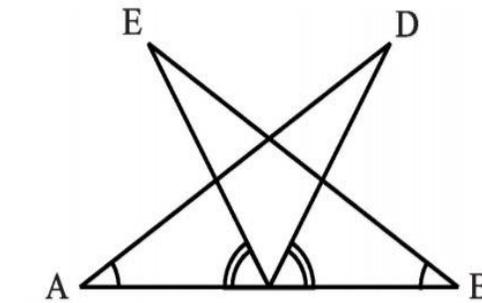
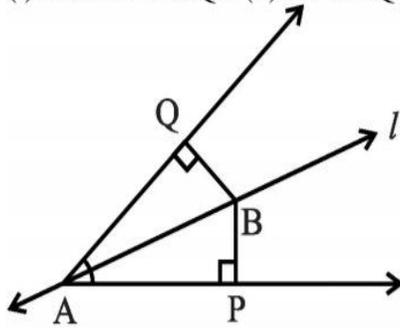
OR

In the above right sided figure, the side QR of PQR is produced to a point S. If the bisectors of  $\angle PQR$  and  $\angle PRS$  meet at point T, then prove that  $\angle QTR = \frac{1}{2} \angle QPR$ .

### Que. 4. Solve both parts.

Line  $l$  is the bisector of an angle  $\angle A$  and B is any point on  $l$ . BP and BQ are perpendiculars from B to the arms of  $\angle A$  (see the below figure). Show that:

(i)  $\triangle APB \cong \triangle AQB$  (ii)  $BP = BQ$  or B is equidistant from the arms of  $\angle A$ .



OR

AB is a line segment and P is its mid-point. D and E are points on the same side of AB such that  $\angle BAD = \angle ABE$  and  $\angle EPA = \angle DPB$  (see the above right sided figure). Show that (i)  $\triangle DAP \cong \triangle EBP$  (ii)  $AD = BE$

### SOCIAL SCIENCE

#### I. Answer the following questions in one sentence.

1. How could a citizen qualify as an elector in France?
2. When French revolution broke out?
3. Where is the southernmost point of India?
4. What do you understand by term "sovereign"?
5. Who provides capital to the small farmers at high rate of interest?

#### II. Answer the following question in three-four sentences.

1. Describe the condition of women during French Revolution.
2. What was the problem associated with the farm laborer Ramkali and Dala ?
3. What is the significance of preamble? Write the preamble of India on a chart paper.
4. Find out 3 beautiful places, located in western Ghats. Give a brief description of these places.

#### III. In the given outline of India identify the following

- a. Southern most Latitude of India.
- b. Standard Meridian.
- c. Shed the region of Deccan plateau
- d. Thar desert
- e. Coral island of India

<b>SCIENCE</b>	<p><b>Que. 1</b> Make any one of the following for Science Exhibition</p> <p>a. Science working model on any topic.</p> <p>b. Science project/assignment on any topic from chapter- 14 Natural Resources.</p> <p><b>Que 2.</b> Make PowerPoint presentation on any One topic from your syllabus.</p> <p><b>Que 3.</b> Solve PISA questions in your notebook( for PISA questions you can see below pdf)</p> <p><b>Que4.</b> Learn all important points and questions Answers of all completed chapters.</p>
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<b>CLASS : X</b>	
<b>Subject</b>	<b>Homework</b>
<b>ENGLISH</b>	CCT PRACTICE – Completion of Modules
<b>HINDI</b>	<p>1. पाठ से संबंधित कोई मनपसंद कविता कंठस्थ करें ।</p> <p>2. तीन वाक्यों का रचना के आधार पर वाक्य परिवर्तन करें</p> <p>3. तीन वाक्यों का आपस में वाच्य परिवर्तन करें ।</p> <p>4. जॉर्ज पंचम पाठ का सारांश लिखें ।(100 शब्द)</p> <p>5. दीपावली के शुभ अवसर पर अपने मित्र को शुभ संदेश लिखिए।</p> <p>6. किसी एक विषय पर निबंध लिखें। (शब्द सीमा – 150 शब्द)</p> <p>(क) छात्रों के लिए समय नियोजन का महत्व या (ख) स्वच्छ भारत अभियान</p> <p>7. किसी एक विषय पर पत्र लिखें। (क) वर्षा के कारण उत्पन्न हुई जलभराव की समस्या की ओर ध्यान आकृष्ट करने के लिए नगर पालिका के अधिकारी को पत्र लिखिए। या (ख) अपने बड़े भाई को एक पत्र लिखिए जिसमें उनके द्वारा दी गई सीख पर आचरण करने का आश्वासन हो।</p>
<b>SANSKRIT</b>	<p>1. स्वविषये संस्कृतेन दशवाक्यानि लिखत।</p> <p>2. "सूक्तयः" इति पाठं पठत।</p> <p>3. "आदर्श-प्रश्नपत्रस्य" प्रश्नोत्तराणि लिखत।</p>
<b>MATHS</b>	<p><b>Que. 1.</b> Prove that <math>3+2\sqrt{5}</math> is irrational.</p> <p><b>Que. 2.</b> Write 'DISTANCE FORMULA' and 'SECTION FORMULA.'</p> <p><b>Que. 3.</b></p> <p>1. Find the zeroes of the following quadratic polynomials and verify the relationship between the zeroes and the coefficients.</p> <p>(i) <math>x^2 - 2x - 8</math>                      (ii) <math>4s^2 - 4s + 1</math>                      (iii) <math>6x^2 - 3 - 7x</math></p> <p>(iv) <math>4u^2 + 8u</math>                      (v) <math>t^2 - 15</math>                      (vi) <math>3x^2 - x - 4</math></p> <p>2. Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively.</p> <p>(i) <math>\frac{1}{4}, -1</math>                      (ii) <math>\sqrt{2}, \frac{1}{3}</math>                      (iii) <math>0, \sqrt{5}</math></p> <p>(iv) <math>1, 1</math>                      (v) <math>-\frac{1}{4}, \frac{1}{4}</math>                      (vi) <math>4, 1</math></p>

**Que. 4.** In Fig. 3.1,  $DE \parallel AC$  and  $DF \parallel AE$ . Prove that  $\frac{BF}{FE} = \frac{BE}{EC}$

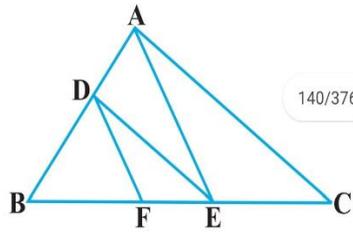


Fig. 3.1

**Que. 5.**

1. Solve the following pairs of equations by reducing them to a pair of linear equations:

(i)  $\frac{1}{2x} + \frac{1}{3y} = 2$

(ii)  $\frac{2}{\sqrt{x}} + \frac{3}{\sqrt{y}} = 2$

$\frac{1}{3x} + \frac{1}{2y} = \frac{13}{6}$

$\frac{4}{\sqrt{x}} - \frac{9}{\sqrt{y}} = -1$

(iii)  $\frac{4}{x} + 3y = 14$

(iv)  $\frac{5}{x-1} + \frac{1}{y-2} = 2$

$\frac{3}{x} - 4y = 23$

$\frac{6}{x-1} - \frac{3}{y-2} = 1$

(v)  $\frac{7x-2y}{xy} = 5$

(vi)  $6x+3y=6xy$

$\frac{8x+7y}{xy} = 15$

$2x+4y=5xy$

(vii)  $\frac{10}{x+y} + \frac{2}{x-y} = 4$

(viii)  $\frac{1}{3x+y} + \frac{1}{3x-y} = \frac{3}{4}$

$\frac{15}{x+y} - \frac{5}{x-y} = -2$

$\frac{1}{2(3x+y)} - \frac{1}{2(3x-y)} = \frac{-1}{8}$

2. Formulate the following problems as a pair of equations, and hence find their solutions:

- Ritu can row downstream 20 km in 2 hours, and upstream 4 km in 2 hours. Find her speed of rowing in still water and the speed of the current.
- 2 women and 5 men can together finish an embroidery work in 4 days, while 3 women and 6 men can finish it in 3 days. Find the time taken by 1 woman alone to finish the work, and also that taken by 1 man alone.
- Roohi travels 300 km to her home partly by train and partly by bus. She takes 4 hours if she travels 60 km by train and the remaining by bus. If she travels 100 km by train and the remaining by bus, she takes 10 minutes longer. Find the speed of the train and the bus separately.

<p><b>SOCIAL SCIENCE</b></p>	<p><b>I. Answer the following questions in sentence.</b></p> <ol style="list-style-type: none"> <li>1. Which countrymen consider their country as the ‘cradle of civilization’?</li> <li>2. Besides Gandhiji’s who were the leaders of Khilafat Movement?</li> <li>3. Write the most important objective of ‘Agenda 21’.</li> <li>4. When was Italy got unified?</li> </ol> <p><b>II. Answer the following question in two-three sentences</b></p> <ol style="list-style-type: none"> <li>1. Make a chart showing classification of Resources.</li> <li>2. What was Rowlatt act?</li> <li>3. What do you understand by the term “Liberal Nationalism”.</li> <li>4. What do you understand by term “Romanticism”?</li> <li>5. Write two reasons of power sharing?</li> </ol> <p><b>III. Answer the following questions.</b></p> <ol style="list-style-type: none"> <li>1. “National Development of a country depends on the availability of Public Facilities”, how? Explain with examples.</li> <li>2. Explore the process of cultivation of any two crops. Explain on paper briefly.</li> <li>3.. Explain the following <ul style="list-style-type: none"> <li>A. Per Capita Income.</li> <li>B. Literacy rate.</li> <li>C. Life Expectancy</li> <li>D. World bank</li> <li>E. Infant mortality rate</li> </ul> </li> </ol> <p><b>V. In the given outline map of India identify the following places.</b></p> <ol style="list-style-type: none"> <li>A. Lahore</li> <li>B. chaura chauri</li> <li>C. Dandi</li> <li>D. Hirakund</li> <li>E. Sardar Sarovar multipurpose river project</li> </ol>
<p><b>SCIENCE</b></p>	<p><b>Que. 1</b> Make any one of the following for Science Exhibition</p> <ol style="list-style-type: none"> <li>a. Science working model on any topic.</li> <li>b. Science project/assignment on any topic from chapter- 16 Management of Natural Resources.</li> </ol> <p><b>Que 2.</b>Make PowerPoint presentation on any One topic from your syllabus.</p> <p><b>Que 3.</b> Solve PISA questions in your notebook( for PISA questions you can see below pdf)</p> <p><b>Que4.</b> Learn all important points and questions Answers of all completed chapters.</p>