

KENDRIYA VIDYALAYA AFS HIGHGROUNDS CHANDIGARH

HOLIDAY HOMEWORK (SUMMER BREAK)

“To be ready for tomorrow’s opportunities, do your homework today.”

Class-VI

Subject	Home Work
English	<p>*ENGLISH HOLIDAYS HOMEWORK 2023-24 FOR CLASS-6</p> <ol style="list-style-type: none">1. Read stories from *'A Pact With the sun ' 2-10*<ul style="list-style-type: none">•write main points of these stories•learn new words•comic creation of anyone from these stories.comic creation - Presentation of the story in pictorial form with dialogues in bubbles.2. Write an application to your school Principal requesting him to grant you leave for ten days as you are not feeling well.3. write story (any three) with the help of given hints like-<ul style="list-style-type: none">-A thirsty crow- the goose that laid a golden egg-the cap -seller and the monkeys(you may choose any other story like this) draw pictures also.4. 'Antonym' is a word which is opposite or contrary in meaning to the other word.<ul style="list-style-type: none">-write 25 such words and learn. eg.word - Antonymabove - below5. My Dictionary - one word daily with its meaning and a sentence. <p>*Note:- Do this work in a separate Notebook</p>
Hindi	<p>ग्रीष्मावकाश गृहकार्य</p> <p>(1) पढ़ाए गए सभी पाठ पुनः पढ़ें ,याद करें एवं प्रत्येक पाठ में से 10 अति लघु प्रश्न उत्तर बनाए ।</p> <p>(2) बाल राम कथा (पूरक पाठ्यपुस्तक) पाठ - अवधपुरी में राम से लेकर दंडक वन में दस वर्ष तक सभी पाठ पढ़ें एवं प्रत्येक पाठ में से 10 अति लघु प्रश्न उत्तर लिखिए</p> <p>(3) श्रुतलेख (Dictation) कम से कम 100 कठिन शब्द पाठ्य पुस्तक बंसत में से छाँटकर लिखें, उनका अभ्यास करें ।</p>
SST	<ul style="list-style-type: none">● Prepare MDP on topic “I am Millet”<ul style="list-style-type: none">- Paste any 5 Millets in copy and name them. (you can also paste pictures of millets).- Write various recipes that can be made from millets.● Make a scrapbook on Tripura and Mizoram.<ul style="list-style-type: none">- Write about the Food, Language and Festivals of Tripura and Mizoram

	<ul style="list-style-type: none"> ● On a Political Map of India, write the name of states/union territories and their capitals and colour each state with different colour.
<p>Science</p>	<ul style="list-style-type: none"> ● Prepare MDP on the "Major Nutrients" <ul style="list-style-type: none"> ☆ Make a tabular form of major Nutrients on the chart . ☆ Paste and Draw the pictures of the sources of food of those Nutrients. ☆ Mention the amount needed of each nutrient in a meal on the chart . ● Make a scrapbook <ul style="list-style-type: none"> ☆ Write the recipe for a balanced diet with the help of your parents. ☆ Paste the photograph of the recipe made. ● class 6th pdf https://drive.google.com/file/d/1S3k9zP840MurOVs4R2lhuc4XNfnb8r1I/view?usp=drivesdk <ul style="list-style-type: none"> ☆ Solve the given questions in Separate notebook.
<p>Maths</p>	<p>General instructions-</p> <ol style="list-style-type: none"> 1. It is mandatory to do the holiday homework 2. YOU will be assessed for the neat handwriting, creativity and originality. 3. All the students are required to revise the syllabus covered so far thoroughly for Periodic Test-1 4. The child should do his / her holiday homework independently. <ul style="list-style-type: none"> ● Solve all the examples of Chapter-1 and Chapter-2 in your notebook. ● Learn tables: 1-25. <p><u>Solve all the problems given separate COPY.</u></p> <p>Q1. You have the following digits 4,5,6,0,7 and 8. Using them make five numbers with 6 digits.</p> <ol style="list-style-type: none"> (a) Put commas for ease of reading (b) Arrange them in ascending and descending order <p>Q2.</p> <p>Insert comma suitably and write names according to Indian system of numeration</p> <ol style="list-style-type: none"> (A) 87595762 (B) 8546283 (C) 99900046 (D)98432701

	<p>Q3. Insert comma suitably and write names according to INTERNATIONAL system of numerator</p> <p>(A) 78921092</p> <p>(B) 7452282</p> <p>(C) 99985102</p> <p>(D) 48049831</p> <p>Q4. write the predecessor and successor of</p> <p>A) 1997</p> <p>B) 12000</p> <p>C) 100000</p> <p>D) 1099999</p> <p>E) 9510002</p> <p>Q5. the cost of a chair is Rs. 980.50. Find the cost of such 2035 chairs.</p> <p>Q6. The population of a town is 86542892. If the number of female members is 24596825, find the number of male members.</p> <p><u>ACTIVITY</u></p> <p>NAME five large cities in India. Find their population. Also, find distance in kilometres between each pair of these cities.</p>
<p>Computer</p>	<ul style="list-style-type: none"> ● Read lesson 1. ● Make a Spin wheel of shortcut control keys. ● Make chart of Computer abbreviation given in last page of the book ● Make scrap copy on topic Artificial intelligence used in daily life ,importance and drawback of AI. ● Make a model of each Input / Output and processing unit of the computer.
<p>Sanskrit</p>	<p>निर्देश- सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में प्रयोजना फाइल में करेंगे ।</p> <ol style="list-style-type: none"> 1. मम् परिचय लिखें 2. दस पुल्लिंग शब्दों को लिखे। 3. दस स्त्रीलिंग शब्दों को लिखे। 4. दस नपुंसकलिंग शब्दों को लिखे। 5. संस्कृत में एक से पचास तक गिनती लिखे। 6. संस्कृत में दस फलों के नाम चित्रों के साथ लिखे।

	<p>7. 'भवतु भारतं' गीत संस्कृत में लिखे और भारत माता का चित्र लगाए।</p> <p>8. संस्कृत में 'सरस्वती वंदना' चित्र के साथ लिखें और इसका अर्थ भी लिखें।</p> <p>9. पाठ दो के सभी प्रश्न उत्तर कॉपी में लिखें और याद करें।</p>
Punjabi	<p>ਕੇਂਦਰੀ ਵਿਦਿਆਲਾ</p> <p>ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ ।</p> <p>ਵਿਸ਼ਾ : ਪੰਜਾਬੀ (ਜਮਾਤ 6 ਵੀ)</p> <p>ਪ੍ਰਸ਼ਨ : 1 ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 2 ਦੋ ਅੱਖਰਾਂ ਵਾਲੇ 30 ਸ਼ਬਦ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 3 ਕਨਾਂ ਦੀ ਮਾਤਰਾ ਵਾਲੇ 20 ਸ਼ਬਦ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 4 ਪੰਜਾਬੀ ਵਿਚ 10 ਫਲਾ ਦੇ ਨਾਂ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 5 ਪੰਜਾਬੀ ਵਿਚ ਦਸ ਗੁਰੂਸਾਹਿਬ ਦੇ ਨਾਂ ਲਿਖੋ। ਅਤੇ ਯਾਦ ਕਰੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 6 ਚਾਰਟ ਦੇ ਉਤੇ ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਦੇ ਅੱਖਰਾਂ ਨਾਲੋਂ ਬਣਨ ਵਾਲੇ ਸ਼ਬਦ ਲਿਖੋ।</p>

Class-VII

Subject	Home Work
English	<p>ENGLISH HOLIDAYS HOMEWORK 2023-24 FOR CLASS-7</p> <p>1. Read stories from *'An Alien Hand ' 2-7*</p> <ul style="list-style-type: none"> •write main points of these stories •learn new words •comic creation of anyone from these stories. <p>comic creation - Presentation of the story in pictorial form with dialogues in bubbles.</p> <p>2. Write an application to your school Principal requesting him to issue Transfer Certificate as your father has been transferred to some other place,</p> <p>3. Write a letter to your uncle thanking him for Birthday Gift.</p> <p>4. Write two two notices.(any notice of your choice)</p> <p>5. Write two messages based on telephonic conversation.(any 2 of your choice)</p> <p>Write story (any two) with the help of given hints like-</p> <ul style="list-style-type: none"> -A thirsty crow - The goose that laid a golden egg -The cap -seller and the monkeys <p>(you may choose any other story like this)</p> <p>draw pictures also.</p> <p>4. 'Antonym' is a word which is opposite or contrary in meaning to the other word.</p> <ul style="list-style-type: none"> -Write 25 such words and learn. eg. <p>Word - Antonym</p> <p>above - below</p> <p>5. My Dictionary - one word daily with its meaning and a sentence.</p> <p>*Note:- Do this work in a separate Notebook</p>

<p>Hindi</p>	<p>(1) पढ़ाए गए सभी पाठ याद करें एवं प्रत्येक पाठ में से 10 अति लघु प्रश्न उत्तर लिखिए ।</p> <p>(2) बाल महाभारत कथा (पूरक पाठ्यपुस्तक) देवव्रत से लेकर यक्ष प्रश्न तक सभी पाठ पढ़ें तथा प्रत्येक पाठ से 5 लघु प्रश्न उत्तर लिखिए।</p> <p>(3) 20 सुलेख , 20 विलोम शब्द, 20 पर्यायवाची शब्द लिखिए।</p> <p>(4) श्रुतलेख प्रतिदिन पांच कठिन शब्द लिखें(पाठ्य पुस्तक में से)</p> <p>(5)अपने विद्यालय के प्राचार्य को 2 दिन के अवकाश हेतु प्रार्थना पत्र लिखें। जन्मदिन के उपहार हेतु मित्र को धन्यवाद पत्र लिखें</p> <p>(6) अनुच्छेद लेखन समय का सदुपयोग, विद्यार्थी और अनुशासन, मेरा प्रिय त्योहार, मेरा प्रिय खेल।</p>
<p>SST</p>	<p>1 Prepare MDP on the topic : I AM MILLET</p> <p>a)Write the Name of seven Millets</p> <p>b) Write their Nutritional Value</p> <p>C) On The Political Map of India Mark the states , where Millets are grown</p> <p>2 Make a Scrapbook on any of the two of the following themes of the States of MIZORAM & TRIPURA:</p> <p>a) Land & Physiography</p> <p>b) Soil & Vegetation</p> <p>C) Language & Culture</p> <p>d) Dance & Music</p> <p>e) Art & Literature</p> <p>3 Complete Learner Diary of the following Chapters</p> <p>A) Tracing Changes Through a Thousand Years</p> <p>B) New Kings and Kingdoms</p> <p>c) On Equality</p> <p>d) How the State Government works</p> <p>e) Environment</p>
<p>Science</p>	<p>1. Prepare MDP on the topic : I AM MILLET and paste page in class work copy</p> <p>a)Write recipe of one dish made by any one Millet</p> <p>b) Write their Nutritional Value</p> <p>C) Share a photo of a millet dish in class Wtsapp group in school uniform</p> <p>2. Practice reading of science chapter 1,2,4 everyday</p> <p>3. Practice 1 page of handwriting in a small copy everyday.</p> <p>4. Prepare a song on Digestive system and photosynthesis. Use youtube for inspiration.</p>

Maths

General instructions-

1. It is mandatory to do the holiday homework
2. YOU will be assessed for the neat handwriting, creativity and originality.
3. All the students are required to revise the syllabus covered so far thoroughly for Periodic Test-1
4. The child should do his / her holiday homework independently.
 - Solve all the examples of Chapter-1 and Chapter-2 in your notebook.
 - Learn tables: 1-25.

Solve all the problems given separate COPY.

- 1) Manish deposits ₹ 2000 in his bank account and withdraws ₹ 1000 from it, the next day. Find the balance in Manish's account
- 2) Which is greater: $15 + (-20)$ or $12 + (-8)$.
- 3) Find the product of :
 - a) $5 \times (-1)$
 - b) $(-13) \times 0 \times 1$
 - c) $(-3) \times (-6)$
 - d) $(-2) \times (-3) \times (-4)$
- 4) Write two integers which are smaller than -3, but their difference is greater than -3.
- 5) A green grocer had a profit of Rs. 47 on Monday, a loss of Rs. 12 on Tuesday and loss of Rs. 8 on Wednesday. Find his net profit or loss in 3 days.
- 6) Divide :
 - a) $-45 \div 5$
 - b) $13 \div [(-2) + 1]$
 - c) $24 \div (-3)$
 - d) $16 \div (2 + 6)$
- 7) Complete the following patterns:
 - a) -5, -3, -1,,,
 - b) -8, -4, 0,,,
 - c) -20, -16, -12,,,
 - d) -3, 0, 3,,,

8) In a magic square each row, column and diagonal have the same sum. Make two magic squares.

9) Verify $a - (-b) = a + b$ for the following values:

a) $a = 21, b = 18$

b) $a = 75, b = 84$

c) $a = 28, b = 11$

d) $a = 118, b = 125$

10) Verify associativity property for multiplication of integers:

a) $a = -5, b = 9, c = 5$

b) $a = -13, b = 9, c = 3$

c) $a = 12, b = -4, c = 2$

d) $a = 0, b = -2, c = 3$

Computer

- Read lesson 1.
- Make a chart of shortcut control keys.
- Make chart of Computer abbreviation given in last page of the book
- Make a chart of types of computer Virus and anti-virus
- Make a model of one each of the Input / Output and processing unit of the computer.

Sanskrit

निर्देश- सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में प्रयोजना फाइल में करेंगे ।

1. पहले पाठ के सभी श्लोक अर्थ सहित लिखें।

2. राम शब्द रूप लिखें।

3. लता शब्द रूप लिखें।

4. पुष्पम् शब्द रूप लिखें।

5. पठ्, कृ, भू, दृश्, खाद् धातु पांचों लकारों में लिखें। (लट्, लृट्, विधिलिङ्, लङ् लोट्)

	<p>6. संस्कृत में एक से सौ तक गिनती लिखे।</p> <p>7. संस्कृत में 'सरस्वती वंदना' चित्र के साथ लिखें और इसका अर्थ भी लिखे।</p> <p>8. संस्कृत में कोई भी गीत अर्थ सहित लिखे।</p> <p>9. पाठ दो के सभी प्रश्न उत्तर कॉपी में लिखें और याद करे।</p>
Punjabi	<p>ਕੇਂਦਰੀ ਵਿਦਿਆਲਾ</p> <p>ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ ।</p> <p>ਵਿਸ਼ਾ : ਪੰਜਾਬੀ (ਜਮਾਤ 7ਵੀਂ)</p> <p>ਪ੍ਰਸ਼ਨ : 1 ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 2 ਦੋਅੱਖਰਾਂ ਵਾਲੇ 30 ਸ਼ਬਦ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 3 ਕਨਾਂ ਦੀ ਮਾਤਰਾ ਵਾਲੇ 20 ਸ਼ਬਦ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 4 ਪੰਜਾਬੀ ਵਿਚ 10 ਫਲਾ ਦੇਨਾਂ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 5 ਪੰਜਾਬੀ ਵਿਚ ਦਸ ਗੁਰੂਸਾਹਿਬ ਦੇ ਨਾਂ ਲਿਖੋ ਅਤੇ ਯਾਦ ਕਰੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 6 ਚਾਰਟ ਦੇ ਉਤੇ ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਦੇ ਅੱਖਰਾਂ ਨਾਲੋਂ ਬਣਨ ਵਾਲੇ ਸ਼ਬਦ ਲਿਖੋ।</p>

Class-VIII

Subject	Home Work
English	<p>1. Read stories from * It So Happened' 2-10*</p> <ul style="list-style-type: none">•write main points of these stories•learn new words•comic creation of anyone from these stories. <p>comic creation - Presentation of the story in pictorial form with dialogues in bubbles.</p> <p>2. Write an application to your school Principal requesting him to issue Transfer Certificate as your father has been transferred to some other place,</p> <p>3. Write a letter to your uncle thanking him for the Birthday Gift.</p> <p>4. Write two notices.(any notice of your choice)</p> <p>5. Write two messages based on telephonic conversation.(any 2 of your choice)</p> <p>Write story (any two) with the help of given hints like-</p> <ul style="list-style-type: none">-A thirsty crow- The goose that laid a golden egg-The cap -seller and the monkeys <p>(you may choose any other story like this)</p> <p>draw pictures also.</p> <p>4. 'Antonym' is a word which is opposite or contrary in meaning to the other word.</p> <ul style="list-style-type: none">-Write 25 such words and learn. eg. <p>Word - Antonym</p> <p>above - below</p> <p>5. My Dictionary - one word daily with its meaning and a sentence.</p> <p>*Note:- Do this work in a separate Notebook</p>
Hindi	<p>(1) पढ़ाए गए सभी पाठ याद करें एवं प्रत्येक पाठ से 10 अति लघु प्रश्न उत्तर लिखिए ।</p> <p>(2) भारत की खोज (पूरक पाठ्यपुस्तक) अहमदनगर का किला से लेकर युगों का दौर तक सभी पाठ पढ़ें एवं प्रत्येक पाठ में से 15 लघु प्रश्न उत्तर लिखिए।</p> <p>(3) संज्ञा ,सर्वनाम ,विशेषण एवं क्रिया की परिभाषा तथा भेद उदाहरण सहित लिखिए ।</p> <p>(4) श्रुतलेख प्रतिदिन पांच कठिन शब्द लिखें (पाठ्य पुस्तक में से)</p> <p>(5) पत्र अपने विद्यालय के प्राचार्य को 2 दिन के अवकाश हेतु प्रार्थना पत्र लिखिए । जन्मदिन के उपहार हेतु मित्र को धन्यवाद पत्र लिखें।</p> <p>(6) अनुच्छेद लेखन विद्यार्थी और अनुशासन, समय का सदुपयोग ,मेरा प्रिय त्योहार, मेरा प्रिय खेल।</p>

<p>SST</p>	<p>MDP</p> <ol style="list-style-type: none"> Millets of the Year <ul style="list-style-type: none"> Introduction Importance of Millets Role of MilletMs in Balance diet MCQs of 4 Chapters(10 MCQs in each chapter Locate National Parks and Wildlife Sanctuaries in the Map of India
<p>Science</p>	<ul style="list-style-type: none"> All the students are required to complete their school work . Prepare the learner's diary of chapter - 1 and 2 Prepare MDP on the " Diseases caused by Microbes " <ul style="list-style-type: none"> ☆The students will conduct a survey of about 10 people in their neighbourhood suffering with any disease. ☆The personal information of the infected person will be collected during the survey along with the disease they are suffering from , it's causes, symptoms and precautions to be taken . ☆They will paste the photograph of that infected person or the disease he / she is suffering from. class 8th holidays homework https://drive.google.com/file/d/1SpmvBiUDXo74q9km72RF6XnwJSy110G9/view?usp=drivesdk ☆Practise the given questions in the Science Notebook.
<p>Maths</p>	<p>General instructions-</p> <ol style="list-style-type: none"> It is mandatory to do the holiday homework YOU will be assessed for the neat handwriting, creativity and originality. All the students are required to revise the syllabus covered so far thoroughly for Periodic Test-1 The child should do his / her holiday homework independently. Solve all the examples of Chapter-1 and Chapter-2 in your notebook. Learn tables: 1-25. Solve all the problems given in a separate COPY. <ol style="list-style-type: none"> The additive inverse of -5 (a)10(b)5(c)4(d)None of the above The numbers _____ and _____ are their own reciprocals. (a).1 and -1 (b)0 and 1 (c) 0 and -1 (d) none of these. The rational numbers are not closed under (a) Addition (b) subtraction (c) multiplication (d) division The solution of $7x - 3 = -38$ (a) 2 (b)4 (c)5 (d) -5 Each exterior angle of regular pentagon is _____ (a)60° (b)90° (c)75° (d)72° Write three rational numbers between 4 and 5. Multiply by the reciprocal of $\frac{3}{5}$ by $\frac{2}{3}$ Solve $7y + 4/y + 2 = -4/3$ Find the measure of each exterior angle of a regular polygon of (1). 6 sides (2) 24 sides. Find: $-2/3 \times 3/5 + 5/2 - 3/5 \times 1/6$ Solve: $7(t-3) = 5(2t+1)$ Find five rational numbers between $1/3$ and $2/5$. How many sides does a regular polygon have if each of its interior angles is 165° . Activity: write down the contribution and brief history of Indian Mathematicians.(Aryabhata and Ramanujan) in the field of Mathematics
<p>Computer</p>	<p>* Write Algorithm and Flowchart of followings in your fair notebook:</p> <ol style="list-style-type: none"> Write an Algorithm and Flowchart of Addition of 4 numbers. Write an Algorithm and Flowchart of Multiplication of 3 numbers. Write an Algorithm and Flowchart of Division. Write an Algorithm and Flowchart of Subtraction of 2 numbers.

	<p>5)Write an Algorithm and Flowchart to find the area of Rectangle. 6)Write an Algorithm and Flowchart to find the area of Square. 7)Write an Algorithm and Flowchart to find the area of Triangle. 8)Write an Algorithm and Flowchart to find the perimeter of Rectangle. 9)Write an Algorithm and Flowchart to find the perimeter of Square. 10)Write an Algorithm and Flowchart to find the perimeter of Triangle.</p> <p>* Draw the shapes used in Flowchart.</p>
<p>Sanskrit</p>	<p>निर्देश- सभी विद्यार्थी यह कार्य ग्रीष्मकालीन अवकाश में प्रयोजना फाइल में करेंगे ।</p> <ol style="list-style-type: none"> 1. संस्कृत में दस वाक्यों में अपना परिचय लिखे। 2. बालक, लता , पुस्तक शब्द रूप लिखे। 3. भू , स्था , श्रु , कृ , पच् धातु पांचों लकारों में लिखे। (लट् ,लृट् ,विधिलिङ् ,लङ् लोट्) 4. संस्कृत में एक से सौ तक गिनती लिखे। 5. पंचतंत्र की कोई भी लघु कथा संस्कृत में चित्र सहित लिखे। 6. संस्कृत में कोई भी गीत अर्थ सहित लिखे। 7. शरीर के विभिन्न अंगों के चित्र बनाएं और संस्कृत में उनका नाम लिखे। 8. पक्षी , चक्षु , पर्वतः , मित्रम् , नदी , विद्यार्थी , पृथ्वी , पुष्पम् शब्दों के दो-दो पर्यायवाची शब्द संस्कृत में लिखे।
<p>Punjabi</p>	<p>ਗਰਮੀਆਂ ਦੀ ਛੁਟੀ ਲਈ ਘਰ ਦਾ ਕੰਮ ਕੇਂਦਰੀ ਵਿਦਿਆਲਾ ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ । ਵਿਸ਼ਾ : ਪੰਜਾਬੀ (ਜਮਾਤ 8ਵੀ)</p> <p>ਪ੍ਰਸ਼ਨ : 1 ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਲਿਖੋ। ਪ੍ਰਸ਼ਨ : 2 ਦੋ ਅੱਖਰਾਂ ਵਾਲੇ 30 ਸ਼ਬਦ ਲਿਖੋ। ਪ੍ਰਸ਼ਨ : 3 ਕਨਾਂ ਦੀ ਮਾਤਰਾ ਵਾਲੇ 20 ਸ਼ਬਦ ਲਿਖੋ। ਪ੍ਰਸ਼ਨ : 4 ਪੰਜਾਬੀ ਵਿਚ 10 ਫਲਾ ਦੇਨਾਂ ਲਿਖੋ। ਪ੍ਰਸ਼ਨ : 5 ਪੰਜਾਬੀ ਵਿਚ ਦਸ ਗੁਰੂਸਾਹਿਬ ਦੇਨਾਂ ਲਿਖੋ ਅਤੇ ਯਾਦ ਕਰੋ। ਪ੍ਰਸ਼ਨ : 6 ਚਾਰਟ ਦੇ ਉਤੇ ਪੰਜਾਬੀ ਵਰਣਮਾਲਾ ਦੇ ਅੱਖਰਾਂ ਨਾਲੋਂ ਬਣਨ ਵਾਲੇ ਸ਼ਬਦ ਲਿਖੋ।</p>

Class-IX

Subject	Home Work
English	<p>CLASS : IX Subject : English</p> <ol style="list-style-type: none"> 1. Create Mind Maps of the chapters learnt in the class 2. Prepare a Book Review 3. Make a video documentary of the place you plan to visit during the summer break(keep in mind , the population , climatic conditions, environment, educational facilities, medical facilities, roads, traffic, market, historical monuments, geographical location, recreational ,games and sports facilities in that area) 4. Prepare Student's Portfolio 5. Write two stories with a beginning line and two paragraphs describing an event. 7. Read all the chapters given in your text books
Hindi	<ol style="list-style-type: none"> 1 पढ़ाए गए सभी पाठ पुनः पढ़ें, याद करें तथा प्रत्येक पाठ में से 15 अति लघु प्रश्न उत्तर लिखिए। कृतिका (पूरक पाठ्यपुस्तक) 2 मेरे संग की औरतें, रीड की हड्डी पाठ पढ़ें और प्रत्येक पाठ में से 15 लघु प्रश्न उत्तर लिखिए। 3 दो औपचारिक तथा दो अनौपचारिक पत्र लिखें। 4 संवाद लेखन - विभिन्न विषयों पर पांच संवाद लिखिए। 5 अनुच्छेद लेखन - मेरे जीवन का लक्ष्य, परिश्रम का महत्व ,युवा पीढ़ी के कर्तव्य, समय का सदुपयोग 6 लघु कथा लेखन - 3 कहानियां लिखिए 7 श्रुतलेख- पाठ्य पुस्तक में से प्रतिदिन पांच कठिन शब्द लिखिए।
SST	<p>Make a beautiful Assignment on Topic:- Evolution and the significance of the Political Symbols associated with the FRENCH REVOLUTION. Explain the need for symbols during the French Revolution along with pictures.</p> <p>Interdisciplinary Project:- Types of Vegetation – Tropical Evergreen Forests, Tropical Deciduous Forests, Thorn Forests and Shrubs, Mountain Forests, Mangrove Forests</p> <p>Prepare 20 MCQs each from the chapter- 1) People as Resource. 2) Physical features of India.</p> <p>IN NOTEBOOKS:- 1) Map work Major Physiographic divisions of India.</p> <p align="center">2) EXERCISE OF CHAPTER – People as Resources.</p> <p>Revise taught chapters for Periodic Test-I</p>
Science	<ul style="list-style-type: none"> ● Will complete the School Work. ● Prepare MDP on 3D model of "PLANT CELL AND ANIMAL CELL" ☆ Students are divided in two groups and one group of students will be

	<p>making a plant cell and its organelle whereas the other group will be making animal cell and its organelle.</p> <ul style="list-style-type: none"> • class 9th pdf https://drive.google.com/file/d/1U6SMD_LiXyV054qSjRkUIptxtlInfQtQD/view?usp=drivesdk <p>☆ Students will solve the above pdf in the separate notebook.</p>
<p>Maths</p>	<ul style="list-style-type: none"> • PART A is the Project, you have to do any 3 projects out of the given projects. • PART B: Revision Questions for Periodic Test. <p><u>General Guidelines for Students:</u></p> <ol style="list-style-type: none"> 1. Do the homework in the HOMEWORK notebook. 2. Presentation carries marks. 3. Number the questions in serial order. 4. Draw neat diagrams wherever necessary and label the parts neatly and clearly. 5. Project to be done in a separate project file. 6. Your project file needs to have a cover, introduction, content and conclusion. <p style="text-align: center;">Part A</p> <p>Select any 3 projects from the list provided and work on them.</p> <ol style="list-style-type: none"> 1. Design a crossword puzzle related to Mathematical concepts. 2. To make a spiral of $\sqrt{7}$ by using thread. 3. Read and record an article related to Origin and development of Number System. 4. Read and record an article related to Historical details of zero 5. Read and record an article related to Historical aspects of π <p style="text-align: center;">Part B</p> <p>Practice for Periodic Test by doing ALL the Examples and Exercise questions from NCERT book of following Chapters.(do it in separate copy)</p> <ol style="list-style-type: none"> 1. NUMBER SYSTEMS 2. POLYNOMIALS
<p>AI</p>	<ol style="list-style-type: none"> 1. Explain the technology used by Snapchat and Instagram Filters. 2. Find out the technology behind self driving cars and the companies working on the concept of self driving cars. 3. Write down the advantages and disadvantages of a self driving car. 4. Write down some real-world applications of AI.

Punjabi

ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ ।

ਕੇਂਦਰੀ ਵਿਦਿਆਲਾ

ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ ।

ਵਿਸ਼ਾ : ਪੰਜਾਬੀ

(ਜਮਾਤ 9ਵੀ)

ਪ੍ਰਸ਼ਨ : (1 ਪੁਸਤਕ ਸਾਹਿਤ ਮਾਲਾ)

1.1: ਸਮਾਂ ਕਵਿਤਾ ਦਾ ਸਾਰ ਲਿਖੋ। ਅਤੇ ਇਸ ਦੇ ਲੇਖਕ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰੋ।

ਪ੍ਰਸ਼ਨ : 2 ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ ਕਵਿਤਾ । ਦੇ ਪ੍ਰਸ਼ਨ ਉਤਰ ਲਿਖੋ।

ਪ੍ਰਸ਼ਨ : 3 (ਵਾਰਤਕ) ਵਹਿਮੀ ਤਾਇਆ ਵਾਰਤਕ ਦੇ ਇਕ ਨੰਬਰ ਵਾਲੇ ਪ੍ਰਸ਼ਨ ਕਰੋ।

ਪ੍ਰਸ਼ਨ : 4 (ਕਹਾਣੀ) ਜਨਮਦਿਨ ਕਹਾਣੀ ਦੇ। ਪ੍ਰਸ਼ਨ ਅਤੇ ਉਤਰ ਕਰੋ।

ਪ੍ਰਸ਼ਨ : 5 ਸਾਂਝੀ ਕੰਧ ਕਹਾਣੀ ਦਾ ਸਾਰ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿਚ ਲਿਖੋ ਅਤੇ। ਧਿਆਨ ਨਾਲ ਪੜ੍ਹੋ।

ਪ੍ਰਸ਼ਨ : 6 (ਵਿਆਕਰਣ) 10 ਵਿਰੋਧੀ ਸ਼ਬਦ ਲਿਖੋ। 2. ਦਸ ਲਿੰਗ ਬਦਲੋ।

ਪ੍ਰਸ਼ਨ : 7 ਪੰਜਾਬ ਦੇ ਕਿਸੇ ਇਕ ਤਿਯੋਹਾਰ ਬਾਰੇ ਲੇਖ ਲਿਖੋ।

Class-X

Subject	Home Work
English	<p>CLASS : X Subject : English</p> <ol style="list-style-type: none"> 1. Create Mind Maps of the chapters learnt in the class 2. Prepare a Book Review 3. Make a video documentary of the place you plan to visit during the summer break(keep in mind , the population , climatic conditions, environment, educational facilities, medical facilities, roads, traffic, market, historical monuments, geographical location, recreational ,games and sports facilities in that area) 4. Prepare Student's Portfolio 5. Write two letters each on Letter of Inquiry and Letter of Placing an Order. 7. Read all the chapters given in your text books
Hindi	<ol style="list-style-type: none"> 1 पढ़ाए गए क सभी पाठ पुनः पढ़ें , याद करें तथा प्रत्येक पाठ में से 15 अति लघु प्रश्न उत्तर बनाइए। 2 कृतिका(पूरक पाठ्यपुस्तक) माता का अंचल , तथा साना साना हाथ जोड़ी पाठ पढ़ें एवं प्रत्येक पाठ से 15 लघु प्रश्न उत्तर लिखिए। 3 विज्ञापन लेखन - पांच विज्ञापन बनाइए । 4 संदेश लेखन - पांच संदेश लिखें। 5 दो औपचारिक एवं दो अनौपचारिक पत्र लिखें। 6 अनुच्छेद लेखन मेरे सपनों का भारत, युवा पीढ़ी के कर्तव्य ,विद्यार्थी और अनुशासन, पुस्तकालय और उसके लाभ । परियोजना कार्य : सूरदास जी के व्यक्तित्व और कृतित्व पर साहित्यिक परिचय लिखिए या सीमा पर तैनात सैनिकों के संघर्षमय जीवन व देशप्रेम से ओतप्रोत भावनाओं का सचित्र वर्णन कीजिए । <p>व्याकरण संज्ञा, सर्वनाम, विशेषण एवं क्रिया की परिभाषा तथा भेद उदाहरण सहित लिखिए।</p> <p>श्रुतलेख - पाठ्य पुस्तक में से प्रतिदिन पांच कठिन शब्द लिखें</p>
SST	<p>Make a presentation on working conditions prevailing in Organised and Unorganised sectors {PPT}</p> <p>ASSIGNMENT: - MONEY AND CREDIT – (Visit to banks and money lenders / pawnbrokers and discuss various activities that you have observed in banks in the classroom.)</p> <p>Interdisciplinary Project:- Tourism as a Trade</p> <p>Prepare 20 MCQs each from the chapter- 1) Forest and Wildlife Resources. 2) Sectors of the Indian Economy</p>

	<p>IN NOTEBOOKS– 1) Map work Classification of Soil.</p> <p>2) EXERCISE OF CHAPTER –Forest and Wildlife resources.</p> <p>Revise taught chapters for Periodic Test-I</p>
<p>Science</p>	<ul style="list-style-type: none"> ● All the students will complete their school work. ● Will practise and draw the diagrams of the human digestive system , human respiratory system , circulatory system and excretory system , Nutrition in amoeba in the A4 sheets . ● class 10th assignment https://drive.google.com/file/d/1TzSK-3tqScHucXJcj1NGMQpu0fjYJfrW/view?usp=drivesdk <p>☆ Solve the above pdf of questions on the Science notebooks.</p>
<p>Maths</p>	<ul style="list-style-type: none"> • PART A is the Project • PART B: Practice QUESTIONS for Periodic Test <p>General Guidelines :</p> <ol style="list-style-type: none"> 1. Do the homework in the HOMEWORK notebook. 2. Presentation carries marks. 3. Number the questions in serial order.. 4. Project to be done in a separate project file. 5. Your project file needs to have a cover, introduction, content and conclusion. <p style="text-align: center;">Part A (PROJECT)</p> <p style="text-align: center;">SUSTAINABILITY COUNTS! ENERGY CHALLENGE</p> <p>What to do: Comparative study of consecutive electric bills</p> <p>How to do:</p> <ol style="list-style-type: none"> 1. Examine your electricity bill of previous month. 2. List the various electrical appliances used in your home. 3. Find out the power consumption, duration for the device in use. <p>Do an estimate calculation of your bill as per power consumption.</p> <ol style="list-style-type: none"> 4. Make an energy reduction plan and determine how far you could implement it. 5. Re-examine your electricity bill after your holiday with all calculations. 6. Paste both bills with calculations. Write your reduction plan and change in the bill. <p>Where to do: On A-4 size sheet</p>

	<p style="text-align: center;">Part B</p> <p>Revise/Practice for Periodic Test by doing ALL the Examples and Exercise questions from NCERT book of following Chapters.(do it in separate copy)</p> <ol style="list-style-type: none"> 1. REAL NUMBERS 2. POLYNOMIALS 3. LINEAR EQUATIONS IN TWO VARIABLES
AI	<ol style="list-style-type: none"> 1. Explain the technology used by Snapchat and Instagram Filters. 2. Find out the technology behind self driving cars and the companies working on the concept of self driving cars. 3. Write down the advantages and disadvantages of a self driving card. 4. Write down some real-world applications of AI.
Punjabi	<p style="text-align: center;"> </p> <p style="text-align: center;">ਕੋਦਰੀ ਵਿਦਿਆਲਾ। ਗਰਮੀਆਂ ਦੀ ਛੁਟੀਆਂ ਲਈ ਘਰ ਦਾ ਕੰਮ। ਵਿਸ਼ਾ : ਪੰਜਾਬੀ (ਜਮਾਤ : 10ਵੀਂ)</p> <p>ਪ੍ਰਸ਼ਨ : 1 ਪੁਸਤਕ ॥ ਸਾਹਿਤ ਮਾਲਾ</p> <p style="padding-left: 40px;">1.1 (ਸੋਕਿਉਂ ਮੰਦਾ ਆਖੀਐ) ਕਾਵਿ ਰਚਨਾ ਦੇਸਾਰ ਨੂੰ ਲਿਖੋ। ਅਤੇ ਧਿਆਨ ਨਾਲ ਪੜ੍ਹੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 2 (ਤੂੰ ਮੇਰਾ ਪਿਤਾ ਤੂੰ ਮੇਰਾ ਮਾਤਾ) ਕਾਵਿ ਰਚਨਾ ਦੇ ਪ੍ਰਸ਼ਨ ਉਤਰ ਲਿਖੋ। ਅਤੇ ਗੁਰੂਅਰਜਨ ਦੇਵ ਜੀ ਦੇ ਜੀਵਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕਰੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 3 (ਵਾਰਤਕ) ਘਰ ਦਾ ਪਿਆਰ (ਪ੍ਰਿੰ. ਤੇਜਾ ਸਿੰਘ) ਵਾਰਤਕ ਦੇ ਪ੍ਰਸ਼ਨ ਉਤਰ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 4 ਬੋਲੀ (ਸ਼. ਗੁਰਬਖਸ਼ ਸਿੰਘ) ਵਾਰਤਕ ਬਾਰੇ ਆਪਣੇ ਸ਼ਬਦਾਂ ਵਿਚੋਂ ਇਕ ਲੇਖ ਲਿਖੋ।</p> <p>ਪ੍ਰਸ਼ਨ : 5 ਪੁਸਤਕ (ਵੰਨਗੀ)</p> <p style="padding-left: 40px;">1.1 ਕੁਲਫੀ ਕਹਾਣੀ ਦਾ ਸਾਰ ਪੜ੍ਹੋ ਅਤੇ ਉਸਦੇ ਪ੍ਰਸ਼ਨ ਉਤਰ ਲਿਖੋ।</p>

Subject	Home Work
English	<p>Attempt chapter review of the following chapters of your supplementary reader:</p> <ol style="list-style-type: none"> 1. Tiger King 2. Journey to the end of the earth. 3. The enemy <p>FORMAT :</p> <ol style="list-style-type: none"> 1. Read the chapter and write at least eight new words learnt. Tell their form and frame sentences on them. 2. Information about the author -50 words only -paste pic 3. Characters in the story 4. Genre of writing 5. Dominant themes 6. Plot /story line 100 words 7. Critical appreciation-100 words 8. Few good phrases/ lines I liked ..why? 9. Character I liked the most...why ?
Hindi	<ol style="list-style-type: none"> 1. आरोह भाग 2 : आत्म परिचय, दिन जल्दी जल्दी ढलता है, भक्तिन और बाजार दर्शन पाठों के MCQ (25,25) प्रश्न बैंक बनाना और अभ्यास प्रश्नोत्तर याद करना। 2. अभिव्यक्ति माध्यम : रिपोर्ट, आलेख, फीचर की परिभाषा, विशेषताएं और एक एक उदाहरण। 3. संपादक के नाम कोई तीन समस्याओं पर आधारित तीन पत्र लिखो। 4. जी 20 और भारत, मोटा अनाज और स्वास्थ्य, विद्यार्थी जीवन पर निबंध लिखो।
Biology	<ol style="list-style-type: none"> 1. Prepare an investigatory project for practical exams. 2. Do all solved and unsolved problems of last year board question papers for molecular basis of inheritance.
Physics	<p>https://docs.google.com/document/d/11LACFg-vgwcgHmDImOkZPELFm9GuV_RB/edit?usp=share_link&oid=116833294332552026456&rtpof=true&sd=true</p>
Chemistry	<ul style="list-style-type: none"> ● Prepare an investigatory project for practical exams. ● Solve the worksheet of lesson —d and f block elements.in chemistry notebook ● Do all solved and unsolved numerical problems of lesson -3 and lesson- 4. ● Do all MCQ' s from NCERT exemplar chemistry of lessons –2,3,8. Already done in class.

<p>Maths</p>	<p>1. PREPARE ACTIVITY FILE CONTAINING & ACTIVITIES FROM NCERT LAB MANUAL PDF. READINGS & OBSERVATIONS MUST BE YOUR OWN. 2. REVISE & SOLVE PREVIOUS CLASS TOPICS TO BE USED IN CURRENT CLASS. 3. COMPLETE CH 1, 2 & 3 ASSIGNMENTS. 4. TRY TO SOLVE CH: DERIVATIVES, VECTORS & LINEAR PROGRAMMING OF TOPICS ALREADY DISCUSSED IN CLASS.</p>
<p>Phy. Edu.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Practical</p> </div> <p>Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)</p> <p>Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice)</p> <p>Yogic Practices</p> <ul style="list-style-type: none"> · *Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility) · **CWSN (Children With Special Needs – Divyang): Bocce/Boccia, Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice. · **Children with Special Needs can also opt any one Sport/Game from the list as an alternative to Yogic Practices. However, the Sport/Game must be different from Test - 'Proficiency in Games and Sports' <p>***Record File shall include:</p> <ul style="list-style-type: none"> · Practical-1: Fitness tests administration. (SAI Khelo India Test) · Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease. · Practical-3: Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also, mention its Rules, Terminologies & Skills.' <p>All the students are instructed to complete your final practical file of phy. Edu. in summer vacation and it will submit after the completion of summer vacation.</p>
<p>Comp.Sci.</p>	<p>Worksheets for Holiday Homework along with instructions present on below URL</p> <p>Holiday Homework for XII CS</p>

Class-XII (Commerce)

Subject	Home Work
English	<p>Attempt chapter review of the following chapters of your supplementary reader:</p> <ol style="list-style-type: none">1. Tiger King2. Journey to the end of the earth.3. The enemy <p>FORMAT :</p> <ol style="list-style-type: none">1. Read the chapter and write at least eight new words learnt. Tell their form and frame sentences on them.2. Information about the author -50 words only -paste pic3. Characters in the story4. Genre of writing5. Dominant themes6. Plot /story line 100 words7. Critical appreciation-100 words8. Few good phrases/ lines I liked ..why?9. Character I liked the most...why ?
Hindi	<ol style="list-style-type: none">1.आरोह भाग 2 : आत्म परिचय, दिन जल्दी जल्दी ढलता है, भक्तिन और बाजार दर्शन पाठों के MCQ (25,25) प्रश्न बैंक बनाना और अभ्यास प्रश्नोत्तर याद करना।2.अभिव्यक्ति माध्यम : रिपोर्ट, आलेख, फीचर की परिभाषा, विशेषताएं और एक एक उदाहरण।3. संपादक के नाम कोई तीन समस्याओं पर आधारित तीन पत्र लिखो।4. जी 20 और भारत, मोटा अनाज और स्वास्थ्य, विद्यार्थी जीवन पर निबंध लिखो।
Economics	<ol style="list-style-type: none">1. Complete your Project Report file as per topic selected.2. Read chapter 1 of Indian Economic development and frame MCQ with answers in your fair notebook.3. Do practice numerical questions of estimating National Income by all three methods. Solve at least 3 questions (one from each method) in a separate notebook.4. Revise unit National Income and its related aggregates.
Business	<ol style="list-style-type: none">1. Revise and learn Chapter 1 and Chapter 2.2. Prepare question bank for chapter 1 and Chapter 2 from last five year CBSE Board Papers and CBSE Sample Question Papers + Current year SQP.

<p>Accountancy</p>	<ol style="list-style-type: none"> 1. Revise and Practice Chapter 1 to Chapter 3. 2. Prepare question bank for chapter 1 and Chapter 2 from last five year CBSE Board Papers and CBSE Sample Question Papers + Current year SQP. 3. Solve following questions from Scanner for chapter 1-3: Chapter 1 (1-14), Chapter 2(1-5), Chapter 3(1-5).
<p>Maths</p>	<ol style="list-style-type: none"> 1. PREPARE ACTIVITY FILE CONTAINING & ACTIVITIES FROM NCERT LAB MANUAL PDF. READINGS & OBSERVATIONS MUST BE YOUR OWN. 2. REVISE & SOLVE PREVIOUS CLASS TOPICS TO BE USED IN CURRENT CLASS. 3. TRY TO SOLVE CH: DERIVATIVES, VECTORS & LINEAR PROGRAMMING OF TOPICS ALREADY DISCUSSED IN CLASS. 4. COMPLETE CH 1, 2 & 3 ASSIGNMENT GIVEN BELOW: <p style="text-align: center;">RELATION</p> <ol style="list-style-type: none"> 1. If $R = \{(a, a^3) : a \text{ is a prime number less than } 10\}$ be a relation. Find the range of R 2. Let $A = \{1, 2, 3\}$ and consider the relation $R = \{(1, 1), (1, 2), (2, 1)\}$. Then determine whether R is reflexive, symmetric and transitive. 3. Check whether the relation R in R defined by $R = \{(a, b) : a \leq b^3\}$ is reflexive, symmetric or transitive. 4. Let R be a relation on the set A of ordered pairs of positive integers defined by $(x, y) R (u, v)$ if and only if $x + v = y + u$. Show that R is an equivalence relation. 5. Let R be a relation on the set A of ordered pairs of positive integers defined by $(x, y) R (u, v)$ if and only if $xv = yu$. Show that R is an equivalence relation. 6. Show that the relation R in the set Z of integers given by $R = \{(a, b) : 6 \text{ divides } a - b \}$ is an equivalence relation. Also write the equivalence class of $\{10\}$. 7. If R_1 and R_2 are equivalence relations in a set A, show that $R_1 \cap R_2$ is also an equivalence relation. 8. Check whether the relation R on $A = \{1, 2, 3, 4\}$ defined by $R = \{(1, 1), (2, 2), (3, 3), (4, 4), (1, 2), (2, 3), (3, 4), (4, 1)\}$ is reflexive, symmetric or transitive. 9. If $R = \{(a, a^3) : a \text{ is a prime number less than } 10\}$. Check the equivalency of R. 10. Let $A = \{1, 2, 3\}$. Construct the following relations on A: <ol style="list-style-type: none"> (i) reflexive and symmetric but not transitive. (ii) reflexive but neither symmetric nor transitive. (iii) symmetric but neither reflexive nor transitive. (iv) neither reflexive nor symmetric nor transitive. <p style="text-align: center;">FUNCTION</p> <ol style="list-style-type: none"> 1. Show that the function $f : R \rightarrow R$ defined by $f(x) = 3 - 4x$ is bijective. 2. Consider $f : R_+ \rightarrow [-5, \infty)$ given by $f(x) = 9x^2 + 6x - 5$. Show that f is one-one and onto. 3. If the function $f : R \rightarrow R$ is given by $f(x) = x^2 + 3x + 1$ Check whether f is one-one and onto. 4. Consider $f : R_+ \rightarrow [8, \infty)$ given by $f(x) = x^2 + 8$. Show that f is bijective.

5. Let $f : \mathbb{R}^+ (15, \infty)$ be a function defined as $f(x) = 4x^2 + 12x + 15$. Check whether f is bijective.

INVERSE TRIGONOMETRIC FUNCTIONS

1. Find the principal value of the following:

2. Evaluate (i) (ii) (iii)

3. Find the principal value of

4. Find the principal value of

5. Find the value of .

MATRICES

1. Let $A =$. Prove that .

2. If $=$, then what is the value of a ?

3. If $A =$, find x and y such that $A^2 + xI = yA$.

4. Show that $A =$ satisfies the equation $A^2 - 3A - 7I = 0$.

5. If the matrix A is symmetric and B is skew-symmetric. Check the following are symmetric or skew-symmetric or none:

(i) AB

(ii) BA

(iii) $A + B$

(iv) $A - B$

(v) $AB + BA$

(vi) $AB - BA$

IP

Worksheets for Holiday Homework along with instructions present on below URL

[Holiday Homework for XII IP](#)

Phy. Edu.

Practical

Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)

Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice)

Yogic Practices

- *Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility)
- **CWSN (Children With Special Needs – Divyang): Bocce/Boccia, Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice.
- **Children with Special Needs can also opt any one Sport/Game from the list as an alternative to Yogic Practices. However, the Sport/Game must be different from Test -

'Proficiency in Games and Sports

*****Record File shall include:**

- Practical-1: Fitness tests administration. (SAI Khelo India Test)
- Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
- Practical-3: Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field & Equipment. Also, mention its Rules, Terminologies & Skills.'

All the students are instructed to complete your final practical file of phy. Edu. in summer vacation and it will submit after the completion of summer vacation.

Class-XII (Humanities)

Subject	Home Work
English	<p>Attempt chapter review of the following chapters of your supplementary reader:</p> <ol style="list-style-type: none"> 1. Tiger King 2. Journey to the end of the earth. 3. The enemy <p>FORMAT :</p> <ol style="list-style-type: none"> 1. Read the chapter and write at least eight new words learnt. Tell their form and frame sentences on them. 2. Information about the author -50 words only -paste pic 3. Characters in the story 4. Genre of writing 5. Dominant themes 6. Plot /story line 100 words 7. Critical appreciation-100 words 8. Few good phrases/ lines I liked ..why? 9. Character I liked the most...why ?
Hindi	<ol style="list-style-type: none"> 1. आरोह भाग 2 : आत्म परिचय, दिन जल्दी जल्दी ढलता है, भक्तिन और बाजार दर्शन पाठों के MCQ (25,25) प्रश्न बैंक बनाना और अभ्यास प्रश्नोत्तर याद करना। 2. अभिव्यक्ति माध्यम : रिपोर्ट, आलेख, फीचर की परिभाषा, विशेषताएं और एक एक उदाहरण। 3. संपादक के नाम कोई तीन समस्याओं पर आधारित तीन पत्र लिखो। 4. जी 20 और भारत, मोटा अनाज और स्वास्थ्य, विद्यार्थी जीवन पर निबंध लिखो।
History	<ol style="list-style-type: none"> 1. Make a Project on the chapter/topic selected by you. 2. Make at least 30 MCQs per chapter. (As per the chapters allotted) 3. Map work of all the Chapters to be done. 4. Question Bank to be solved of the following Chapters: <ul style="list-style-type: none"> ● BRICKS, BEADS AND BONES ● KINGS, FARMERS AND TOWNS ● KINSHIP, CASTE AND CLASS ● THINKERS, BELIEFS AND BUILDINGS

Geography

1 Make 20 MCQ from each of the following chapters:

A) Fundamentals of Human geography: Ch 1 - Human Geography: Nature and Scope

Ch 2: The World Population-distribution, density and growth

Ch 3 : Human development

Ch 4 : Primary Activities

B) India People and Economy
Growth and Composition

Ch 1: Population: Distribution Density,

Ch 2 : Human Settlements

2 Prepare Map of following topics:

1 Primary Activities

- Areas of subsistence gathering (Fig 4.2)
- Major areas of nomadic herding of the world (4.4)
- Major areas of commercial livestock rearing (4.6)
- Major areas of extensive commercial grain farming (4.12)
- Major areas of mixed farming of the World (4.14)

2 Major Sea Ports

- Europe: North Cape, London, Hamburg
- North America: Vancouver, San Francisco, New Orleans
- South America: Rio De Janeiro, Colon, Valparaiso
- Africa: Suez and Cape Town
- Asia: Yokohama, Shanghai, Hong Kong, Aden, Karachi, Kolkata
- Australia: Perth, Sydney, Melbourne

3 Major Airports:

- Asia: Tokyo, Beijing, Mumbai, Jeddah, Aden
- Africa: Johannesburg & Nairobi
- Europe: Moscow, London, Paris, Berlin and Rome
- North America: Chicago, New Orleans, Mexico City
- South America: Buenos Aires, Santiago
- Australia: Darwin and Wellington

4 State with highest population density & state with lowest population density (2011)

5 Leading producing states of the following crops: (a) Rice (b) Wheat (c) Cotton (d) Jute (e) Sugarcane (f) Tea and (g) Coffee

	<p>6 Mines: · Iron-ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary</p> <ul style="list-style-type: none"> · Manganese mines: Balaghat, Shimoga · Copper mines: Hazaribagh, Singhbhum, Khetari · Bauxite mines: Katni, Bilaspur and Koraput · Coal mines: Jharia, Bokaro, Raniganj, Neyveli · Oil Refineries: Mathura, Jamnager, Barauni <p>3 Completion of Ch 1, 2 of Practical Geography</p>				
Pol. Sci.	<ol style="list-style-type: none"> 1. Make a Project on the chapter/topic selected by you. 2. Make 50 MCQs per chapter. (As per the chapters allotted) <p>Division of MCQs</p> <ul style="list-style-type: none"> ● correct/incorrect ● True/False ● Assertion/Reasoning ● Fill in the Blanks ● Chronological order ● Passage Based MCQs ● Cartoon Based MCQs ● Match the columns ● MCQs based on Codes ● Read the statement and rewrite the statement. 				
Economics.	<ol style="list-style-type: none"> 5. Complete your Project Report file as per topic selected. 6. Read chapter 1 of Indian Economic development and frame MCQ with answers in your fair notebook. 7. Do practise numerical questions of estimating National Income by all three methods. Solve at least 3 questions (one from each method) in a separate notebook. 8. Revise unit National Income and its related aggregates. 				
Phy. Edu.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Practical</td> </tr> <tr> <td>Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)</td> </tr> <tr> <td>Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice)</td> </tr> <tr> <td>Yogic Practices</td> </tr> </table> <ul style="list-style-type: none"> · *Test for CWSN (any 4 items out of 27 items. One item from each component: Aerobic Function, Body Composition, Muscular strength & Endurance, Range of Motion or Flexibility) · **CWSN (Children With Special Needs – Divyang): Bocce/Boccia, Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice. · **Children with Special Needs can also opt any one Sport/Game from the list as an alternative to Yogic Practices. However, the Sport/Game must be different from Test - 'Proficiency in Games and Sports <p>***Record File shall include:</p> <ul style="list-style-type: none"> · Practical-1: Fitness tests administration. (SAI Khelo India Test) 	Practical	Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)	Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice)	Yogic Practices
Practical					
Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)					
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- | | |
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All the students are instructed to complete your final practical file of phy. Edu. in summer vacation and it will submit after the completion of summer vacation.