



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-2ND

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

- ❖ 1. Write counting 1 to 500.
- ❖ 2. Write back counting 500 to 1.
- ❖ 3. Do 10 sums of addition with carry and 10 sums without carry.
- ❖ 4. Do 10 sums of subtraction with carry and 10 sums without carry.
- ❖ 5. Write number names 1 to 100.

SUBJECT-EVS

1. Draw any one type of house and also name it.
2. Write 4 lines about your favourite festival. Also draw/paste its picture.
3. Which religion do you belong to? Paste/draw a picture of a famous place of worship of your religion.
4. Paste 10 food items obtained from plants and animals.
5. Make a greeting card for 'Grandparents day'.
6. Read Chapter -15 , 16 and 17

SUBJECT-HINDI

- प्र 1 अपना नाम शुद्ध अक्षरों में लिखें ।
- प्र 2 अपने माता-पिता का नाम शुद्ध अक्षरों में लिखें ।
- प्र 3 अपने विद्यालय का नाम लिखें ।
- प्र 4 अपनी पाठ्य पुस्तक से पांच विलोम शब्द लिखें ।
- प्र 5 अपनी पाठ्य पुस्तक से पांच मिलते-जुलते शब्द लिखें ।
- प्र 6 पांच पेज सुन्दर अक्षरों में सुलेख लिखें ।
- प्र 7 प्रतिदिन एक शब्द तथा उसका अर्थ लिखें तथा याद करें ।
- प्र 8 अपनी पाठ्य पुस्तक की कोई एक कविता याद करें ।

SUBJECT- ENGLISH

1. Write one page handwriting daily.
2. Write 5 opposite words and 5 rhyming words from your English book.
3. Write 4 lines about your school.
4. Draw/paste 3 things which you see during day and night in the sky.
5. Make a card on 'Happy Diwali'.
6. Learn poem 'This is my town' and 'A show of clouds'
7. Read Chapter – My name.

SUBJECT- MUSIC

- 1- बढ़ाये जा कदम जवान तू कदम बढ़ाए जा मार्चिंग गीत को लिखकर याद करें
- 2- छात्र प्रतिज्ञा और Pledge लिखकर याद करें
- 3- राष्ट्रगान को शुद्ध शब्दों में लिखकर याद करें
- 4- अपनी पसंद का एक वाद्य(Instrument) बनाकर रंग भरे



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-3rd

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

- Q.1 Write counting from 1001 to 1200 .
- Q.2 Make a balance by using materials around you .
- Q.3 Write the activities done by you on the ‘ Dushehra ‘ by using clock .
- Q.4 Write and learn table from 2 to 15 .
- Q.5 Write 50 even and 50 odd numbers.

SUBJECT-EVS

1. Draw any 5 pictures of any fruit and 5 pictures of any vegetable also write their names.
2. Collect and paste the leaves of medicinal plant and write their names.
3. Paste or draw the pictures of any five birds and write their names.
4. Write 5 sentences about “save water”.
5. Make a mask of any one animal.

SUBJECT- ENGLISH

- Q.1) Write full forms-
 - a) don't- b) didn't- c) can't-
 - d) couldn't- e) isn't- f) haven't-
 - g) hadn't- h) won't-
- Q.2) Write five sentences about your journey.
- Q.3) Draw picture of any means of transport.
- Q.4) Write plurals of-
 - a) one- b) carrot-
 - c) potato- d) wolf-
- Q.5) Write any five verbs with their past tense.
- Q.6) Write any five opposite words.
- Q.7) Write any five similar words.

SUBJECT-HINDI

1. 5 पेज सुलेख लिखो ।
2. .स्वर, व्यंजन, वर्ण, संयुक्त अक्षर, शब्द और वाक्य को उदाहरण सहित समझाइए ।
- 3 क से लेकर झ तक के वर्ण में सभी मात्राओं का प्रयोग करके लिखिए ।
- .4कब आऊं और क्योंजीमल और कैसे- कैसे लिया में आए हुए किन्ही 10 शब्दों को लिखकर उनका विलोम लिखो ।

SUBJECT- MUSIC

- 1- एक बाल गीत लिखे और याद करें
- 2 विद्यालय भारत का स्वर्णिम गौरव केंद्रीय विद्यालय लायेगा , लिखकर याद करें
- 3- इतनी शक्ति हमें देना दाता गीत याद करें
- 4- अपनी पसंद का कोई एक वाद्य चित्र बनाकर रंग भरे।
- 5- सारे जहां से अच्छा, और वंदे मातरम गीत याद करें



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-4th

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

- Q.1) Write definition of 'Radius'. Write relation between 'Radius' and 'Diameter'.
Q.2) Draw a circle of 3.5 cm, mark it's radius.
Q.3) Draw a semicircle using radius 3 cm, mark it's diameter.
Q.4) Draw one design using circle.
Q.5) In how many different ways can you divide a rectangle into half. Draw five different ways.
Q.6) How many one-quarters will make one-half.
Q.7) Present these fractions by shading in a circle.
a) $\frac{1}{4}$ b) $\frac{1}{2}$ c) $\frac{3}{4}$

SUBJECT-EVS

- 1- Write any 5 indoor and outdoor games and also paste its picture.
2- Make a poster on 'SAVE TREES'.
3- Draw 5 Healthy food and unhealthy food items
4- Write 5 'USES OF TREES'.
5- Paste 10 pictures of living and non-living things.
6- Read and learn question –answer of Chapter-14 BASVA'S FARM and Chapter-15 FROM MARKET TO HOME.

SUBJECT- ENGLISH

- Q.1) Write ten sentences on Hiawatha.
Q.2) Write any five action words.
Q.3) Write any five describing words.
Q.4) Write any five words having same sound but different meanings.
Q.5) Write any five pronouns.

Q.6) Write house names for any five animals.

Q.7) Write any five adverbs.

SUBJECT-HINDI

1. प्रतिदिन समाचार पत्र पढो तथा उसमें से प्रतिदिन एक नया शब्द अपनी काँपी में लिखकर उस शब्द से कोई एक वाक्य बनाओ।
2. अपने किसी एक मनपसंद स्वतंत्रता सेनानी का चित्र अपनी काँपी पर चिपकाओ तथा उनके बारे में पाँच वाक्य लिखो।
3. भारत की सीमा से जुड़े किन्हीं पाँच देशों के नाम तथा उनकी राजधानी लिखो।
4. संज्ञा किसे कहते हैं तथा संज्ञा के सभी प्रकारों के नाम तथा उनके उदाहरण एक चार्ट पेपर में लिखकर समझाइए।
5. 7 पेज सुलेख लिखे

SUBJECT-MUSIC

- 1- सारे जहां से अच्छा, और वंदे मातरम गीत लिखकर याद करें।
- 2- we shall over come गीत याद करें।
- 3 अपनी पसंद का कोई एक वाद्य यंत्र बनाये।
- 4- इतनी शक्ति हमें देना दाता गीत को याद करें



AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-5TH

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

DATE-17/10/2023
CLASS-V- A
SUBJECT-Mathematics
PERIOD- I

Autumn Break Holiday Assignment

P - 35
A - 05
T - 40

Q.1) Draw a map of your class.

Q.2) Prepare a route-map from school gate to class-room.

Q.3) Using factor tree, write the prime factorisation for the following numbers →(a) 72 , (b) 60.

Q.4) Write two things as example for the following shapes.

a) square

b) Rectangle

c) Cube

d) Cylinder

e) Circle

Q.5) Make any 3D-model.

SUBJECT-EVS

1. Collect information about any one Indian who went to space.
2. Draw any two type of houses write their name and also where they are mainly found.
3. Write few ways to reduce pollution during festivals.
4. Make a family tree and family photo of any occasion.
5. How we can save petrol and suggest some ways to save petrol.
6. Make a poster with related slogan to 'save water'.
7. Read Chapter-12, 13 and 14.

SUBJECT- ENGLISH

1. Write any 5 pages of cursive handwriting.
2. Read the chapter – “The talkative barber” and frame any 5 questions and answers from it.
3. Paste pictures of any five cricket players from World Cup 2023 and write their names.
4. Read English newspaper daily and paste any one article from it. Write any 5 words from that article and write their meanings.
5. Prepare a chart on Parts of Speech.

SUBJECT-HINDI

- 1- प्रतिदिन एक पेज सुलेख लिखें।
- 2- पाठ-12 गुरु और चेला तथा पाठ-13 स्वामी की दादी में से कठिन शब्द (कोई भी 10 शब्द) छाँटकर 5 बार लिखो।
- 3- 10 विलोम शब्द,10 पर्यायवाची शब्द,10 तुकांत शब्द तथा 10 मुहावरे अपनी इच्छानुसार लिखो।
- 4- दीपावली अथवा दशहरा त्यौहार पर 10 वाक्य लिखो।
- 5- कोई भी एक कविता लिखिए।
- 6- पाठ-12 गुरु और चेला तथा पाठ-13 स्वामी की दादी पढ़ें तथा उनके प्रश्नोत्तर याद करें।

SUJECT-MUSIC

- 1- सारे जहां से अच्छा, और हम सब भारतीय हैं गीत लिखे और याद करें।
- 2- मराठी गीत आता उठबू सारे रान, गीत लिखकर याद करें।
- 3- कोई भी एक लोकगीत, और एक स्वागत गीत लिखे।
- 4- जन्मदिन गीत लिखकर याद करें।



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24


CLASS-6TH


NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

	Do all questions in a separate copy.											
1	<table border="1"><thead><tr><th>Column A</th><th>Column B</th></tr></thead><tbody><tr><td>1. $-\frac{30}{-45}$</td><td>(a) $-\frac{13}{8}$</td></tr><tr><td>2. $\frac{24}{-42}$</td><td>(b) $-\frac{5}{7}$</td></tr><tr><td>3. $\frac{-35}{49}$</td><td>(c) $-\frac{4}{7}$</td></tr><tr><td>4. $\frac{39}{-24}$</td><td>(d) $\frac{2}{3}$</td></tr></tbody></table> <p>Match the following</p>	Column A	Column B	1. $-\frac{30}{-45}$	(a) $-\frac{13}{8}$	2. $\frac{24}{-42}$	(b) $-\frac{5}{7}$	3. $\frac{-35}{49}$	(c) $-\frac{4}{7}$	4. $\frac{39}{-24}$	(d) $\frac{2}{3}$	
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3. $\frac{-35}{49}$	(c) $-\frac{4}{7}$											
4. $\frac{39}{-24}$	(d) $\frac{2}{3}$											
2	<table border="1"><thead><tr><th>Column I</th><th>Column II</th></tr></thead><tbody><tr><td>(a) </td><td>(i) $\frac{2}{3}$</td></tr><tr><td>(b) </td><td>(ii) $\frac{1}{3}$</td></tr><tr><td>(c) </td><td>(iii) 1</td></tr><tr><td>(d) </td><td>(iv) $\frac{3}{4}$</td></tr></tbody></table> <p>Match the following:</p>	Column I	Column II	(a)	(i) $\frac{2}{3}$	(b)	(ii) $\frac{1}{3}$	(c)	(iii) 1	(d)	(iv) $\frac{3}{4}$	
Column I	Column II											
(a)	(i) $\frac{2}{3}$											
(b)	(ii) $\frac{1}{3}$											
(c)	(iii) 1											
(d)	(iv) $\frac{3}{4}$											
3	Represent $\frac{8}{7}$ on the number line.											
4	Represent $\frac{8}{6}$ in standard form											
5	Draw number line and locate the points on them: $\frac{2}{5}, \frac{3}{5}, \frac{8}{5}, \frac{4}{5}$											
6	Nazima gave $2\frac{3}{4}$ litres out of the $5\frac{1}{2}$ litres of juice she purchased to her friends. How many litres of juice is left with her?											
7	Write the following fractions in standard form: 1. $\frac{24}{21}$ 2. $\frac{36}{63}$ 3. $\frac{39}{117}$											
8	Compare the following fractions:											

	<p>1. $\frac{1}{2} - \frac{3}{4}$</p> <p>2. $\frac{5}{6} - \frac{2}{3}$</p> <p>3. $\frac{1}{3} - \frac{3}{5}$</p>
9	Arrange the following fractions in ascending order: $\frac{2}{5}, \frac{1}{3}, \frac{3}{4}, \frac{1}{6}$
10	<p>Which is greater?</p> <p>1. $\frac{9}{13}$ and $\frac{7}{12}$</p> <p>2. $\frac{8}{9}$ and $\frac{9}{10}$</p>
11	<p>$\frac{1}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$.</p> <p>a) $\frac{2}{8}$</p> <p>b) $\frac{3}{8}$</p> <p>c) $\frac{1}{8}$</p> <p>d) $\frac{8}{2}$</p>
12	<p>$\frac{2}{5} - \frac{1}{5} = \underline{\hspace{2cm}}$.</p> <p>a) $\frac{2}{5}$</p> <p>b) $\frac{1}{5}$</p> <p>c) None of these</p> <p>d) $\frac{3}{5}$</p>
13	<p>$1\frac{1}{4} + 2\frac{1}{4} = \underline{\hspace{2cm}}$.</p> <p>a) $\frac{1}{2}$</p> <p>b) $\frac{1}{4}$</p> <p>c) $3\frac{1}{2}$</p> <p>d) $\frac{3}{4}$</p>
14	<p>If $\frac{5}{6} = \frac{x}{42} = \frac{y}{48}$, then the values of x and y respectively are <u> </u> and <u> </u>.</p> <p>a) 20, 28</p> <p>b) 35, 40</p> <p>c) 25, 40</p>

	d) 15, 35
15	$\frac{17}{101} \text{ — } \frac{12}{101}$ a) None of these b) > c) = d) <
16	State True or False: <ol style="list-style-type: none"> The rational numbers $\frac{4}{7}$ and $\frac{7}{17}$ lie on the opposite sides of zero on the number line. $1\frac{3}{5}$ is greater than 0. On comparing fractions, when numerators are same, then denominator with highest degree is the smallest. The Fraction $\frac{4}{7} - \frac{12}{6} = \frac{8}{1}$. In $\frac{3}{7}$, 3 is the part of whole.
17	Fill in the blanks: <ol style="list-style-type: none"> A number representing a part of a _____ is called a fraction. $\frac{13}{5}, \frac{41}{31}, \frac{197}{107}$ etc. are _____ fraction. $\frac{18}{5}$ is a/an _____ fraction. $\frac{3}{5}$ is _____ than 0. $\frac{2}{5}$ is _____ than $\frac{1}{5}$.
	<p>Question No. 18 to 22 are based on the given text. Read the text carefully and answer the questions: Ramesh had 20 pencils, Sheela had 50 pencils and Jamaal had 80 pencils. After 4 months, Ramesh</p>  <p>used up 10 pencils, Sheela used up 25 pencils and Jamaal used up 40 pencils.</p>
18	To find an _____ fraction of a given fraction, you may multiply both the numerator and the denominator of the given fraction by the same number.
19	What fraction did Ramesh use up? a) $\frac{1}{2}$ b) $\frac{2}{5}$ c) $\frac{3}{4}$ d) $\frac{3}{5}$

20	<p>What fraction did Sheela use up?</p> <p>a) $\frac{1}{2}$</p> <p>b) $\frac{1}{5}$</p> <p>c) None of these</p> <p>d) $\frac{1}{10}$</p>
21	<p>What fraction did Jamal use up?</p> <p>a) $\frac{4}{5}$</p> <p>b) $\frac{3}{5}$</p> <p>c) $\frac{1}{2}$</p> <p>d) $\frac{3}{10}$</p>
22	<p>Each has used up an equal fraction of her/his pencils.</p>
<p>Question No. 23 to 27 are based on the given text. Read the text carefully and answer the questions: Kristin purchased a CD player for her birthday and got 3 CDs as complimentary form shopkeeper.</p> <div data-bbox="1077 1003 1257 1182" style="text-align: center;">  </div> <p>She purchases 3 more CDs and received 5 CDs as gift from her friend.</p>	
23	<p>A _____ is a number representing part of a whole.</p>
24	<p>What fraction of her total CDs did she buy?</p> <p>a) $\frac{2}{11}$</p> <p>b) $\frac{3}{11}$</p> <p>c) $\frac{4}{11}$</p> <p>d) $\frac{3}{5}$</p>
25	<p>What fraction did she receive as gift?</p> <p>a) $\frac{5}{11}$</p> <p>b) $\frac{3}{11}$</p> <p>c) None of these</p> <p>d) $\frac{3}{5}$</p>
26	<p>What fraction did she get as complimentary?</p> <p>a) None of these</p>

	b) $\frac{3}{11}$ c) $\frac{11}{11}$ d) $\frac{5}{11}$	
27	In proper fraction numerator is greater than denominator.	

SUBJECT-SCIENCE

1. What is the difference between creepers and climbers.
2. Explain the difference between tap roots and fibrous roots with help of diagram.
3. If plant has fibrous roots, what types of venation does it's leaves likely to have?
4. List the importance characteristics of living things?
5. Why can a pace or a footstep not be used as a standard unit of length.
6. What types of motion is shown by a falling stone?
7. Identify the type of motion in the following examples?
 - (a) Motion of a child on a swing.
 - (b) March past of a soldier in a parade

SUBJECT-SOCIAL SCIENCE

(Do in Previous Holiday Homework Notebook)

❖ **On the political map of India show the following: -**

- ✓ Locate 28 States
- ✓ Locate 8 Union Territory
- ✓ Locate Capital of 28 state & 8 union territory

❖ **On the political map of world show the following: -**

- ✓ Locate 7 continent
- ✓ Locate 5 Oceans

❖ **Make a Project Scrape book of Paired State (Arunachal Pradesh) with following topics.**

Cuisine, Monuments & Jewelleries

(Each topic writes in 3 pages along with appropriate picture)

SUBJECT-HINDI

निर्देश:- सभी विद्यार्थी यह गृहकार्य अपनी हिन्दी कॉपी में ही करेंगे ,कोई अलग कॉपी नहीं बनायेंगे।

- 1.आपके आसपास दुर्गापूजा एवं दशहरा मेला किस रूप में प्रचलित हैं उसका वर्णन कीजिए ।
- 2.अपने बचपन की कोई मनमोहक घटना को विस्तार से लिखिए।
- 3.अपने मित्र को अपने आसपास लगे दुर्गा पंडाल एवं हो रहे रामलीला का वर्णन करते हुए पत्र लिखिए।
4. बाल रामकथा के आधार पर राम-सीता विवाह के दृश्य का वर्णन कीजिए।
5. मुहावरे का प्रयोग करते हुए 5 वाक्य बनाइए ।
- 6.वसंत भाग-1 एवं बाल राम कथा के टर्म 2 -के पाठ 1 से 3 पढ़ें । पढ़ते समय अपने साथ पेन्सिल रखें एवं कठिन शब्द जो आपको नहीं आते उसे अंडर लाइन करें एवं अपनी कॉपी में 5-5 बार सुन्दर - सुन्दर सुलेख के रूप में लिखें।

SUBJECT –ENGLISH

- Make proper reading of Chapter 5 and 6 from Honeysuckle and learn words meaning.
- Write short paragraph about the following.
 - *Good Health
 - *Balanced diet
- Write an application to your principal requesting him for 7days leave as you are going to attend marriage at your native place.
- Write the structure of the following tenses with examples (1 each for affirmative, negative and interrogative)
 - * Past indefinite tense
 - *Past continuous tense
- Learn and revise all chapters which were taught in second term.
- Do reading at least 2 pages of English per day to improve reading skill.

SUBJECT-WE

1. Write 5 Scopes of work education
2. Write 5 safety precautions when you handle electrical system.
3. Write 10 precautions while carrying tools from one place to another.
4. Write 10 names of HAND TOOLS
5. Project (Practicals-) Take a bulb holder and pieces of 2 wires and connect the wires in bulb holders with help of screw driver.
6. Label the parts of electric bulb in below figure.





Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-7TH

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SUBJECT-MATHS

	Do all the questions in the copy, earlier used for Summer Vacation Home Work otherwise make a separate copy of 50 pages and do in that copy.
1	<p>What are the points that lie on the given triangle?</p>
2	Two sides of a triangle are 11 cm and 5.5 cm. What will be the minimum length of the third side?
3	<p>In Figure find the value of x.</p>
4	Check whether the following measures (in cm) can be the sides of a right - angled triangle or not., 3.6, 3.9
5	One on the exterior angles of a triangle is 70° and the interior opposite angles are in the ratio 3:4. Find the angles of the triangle.
6	In $\triangle ABC$, $2A = 3B = 6C$. Calculate A, B and C.
7	A cloth shrinks 0.5% when washed. What fraction is this?
8	What percentage is Rs 19.75 of Rs 25?
9	Out of 40 students in a class, 32 opted to go for a picnic. What percent of students opted for picnic?
10	Anita takes a loan of ₹ 5,000 at 15% per year as rate of interest. Find the interest she has to pay at the end of one year.
11	Narayan secured 45% marks in English, 60% in Mathematics and 69% in Hindi. If the maximum marks in these subjects are 60, 80 and 100 respectively, find his aggregate percentage.
12	In an examination, there are three papers each of 100 marks. A candidate obtained 53 marks in the first and 75 marks in the second paper. How many marks must the candidate obtain in the third paper to get an overall of 70 per cent marks?
13	Arrange in ascending order $\frac{2}{5}, \frac{1}{3}, \frac{-3}{4}, \frac{1}{6}$
14	Insert 3 equivalent rational numbers between: $-\frac{1}{2}$ and $\frac{1}{5}$.

15	Give three rational numbers equivalent to $\frac{7}{11}$
16	Give three rational numbers equivalent to $\frac{-3}{4}$
17	What should be subtracted from $(\frac{3}{4} - \frac{2}{3})$ to get $-\frac{1}{6}$?
18	Represent the rational numbers $\frac{-1}{4}$, $\frac{-7}{12}$ and $\frac{-5}{6}$ as points A, B and C on the number line.

SUBJECT-SCIENCE

1. Describe the mechanism of breathing in human beings with suitable diagram.
2. Draw a well labelled diagram of respiratory system.
3. Why is transport of material in a plant or in an animals?
4. What is blood and it's function?
5. What is platelet?
6. What will happen if there are no platelets in the blood?
7. Why is the colour of blood red?
8. Why the heart has different chambers?

SUBJECT- SOCIAL SCIENCE

(Do in Previous Holiday Homework Notebook)

- ❖ **On the political map of India show the following: -**
 - ✓ Locate 28 States
 - ✓ Locate 8 Union Territory
 - ✓ Locate Capital of 28 state & 8 union territory

- ❖ **On the political map of world show the following: -**
 - ✓ Locate 7 continent
 - ✓ Locate 5 Oceans

- ❖ Make a Project Scrape book of Paired State (Arunachal Pradesh) with following topics.
Cuisine & Jewelleries
(Each topic writes in 3 pages along with appropriate picture)
- ❖ Make a Project Scrap book of International Year of Millets with following topic:
 - Importance
 - Type of Crops
 - Explain (every crop)
 - ✓ Significance
 - ✓ Conditions

- ✓ Uses of crops
- ✓ Benefit

(Each topic writes in 1 page along with appropriate picture)

SUBJECT-ENGLISH

1. PORTFOLIO CREATION: Create an English Portfolio (in your classwork copy itself)
 - Welcome to my Portfolio (1st page- your name class section roll number subject etc, just like MDP first page)
 - What is the purpose of English in daily life (from 2nd page, atleast two paragraphs)
 - My Strengths and Accomplishments- development in my strengths
 - My Weak Areas- need to work on
 - My Achievements (any thing done to improve your English, write here)
 - My creative side- (any self-composed poem, story, article, art integrated work etc. Write in this column)
2. You are Arun/ Aruna, a student of class VII of D P S, BANGALORE. You lost your English text book in the library. Write down a notice for it.
3. Write a story with suitable title and moral, which is related to Dusshehra or Durga Puja, in your own words.
4. Draw pictures related to festivals and color them beautifully under “festive corner”. You may draw it on chart paper or in your copy as per your convenience. Chart can later be put in your classroom.
5. For School Magazine- every child must write or draw something for school magazine . Any poem,story,article. Related to any subject. Or any drawing based on various programmes run by government.
Soft copy of magazine articles will be collected later on.

Happy Durga Puja.

SUBJECT-HINDI

1. शरीर के अंगों से संबंधित 10 मुहावरों का अर्थ बताकर वाक्य प्रयोग कीजिए ।
2. अपनी पुस्तक के अतिरिक्त शिक्षाप्रद अथवा नीतिपरक 10 दोहे और उनका भावार्थ लिखिए और दोहों को याद करें ।
3. हिन्दी महीनों के नाम याद करें ।
4. आग,असुर,अमृत,आकाश,ईश्वर,आम,चन्द्रमा,पृथ्वी,सूर्य, राजा,झंडा,हवा,वृक्ष,बादल,पानी,पुष्प, कमल,पक्षी,पुत्र,पुत्री शब्द के 3-3 पर्यायवाची लिखिए ।

SUBJECT-WE

1. Write the name of two types of an electric current.
2. Write the unit of resistance and draw the symbol and fixed and variable resistors.
3. Write the name of different type of power stations. Also draw the block diagram of thermal power station.
4. Draw the diagram of an electromagnet.

5. Project and practical-

Take a piece of two wires, bulb holder(1no.), led bulb(1no.), with the help of them make a table lamp.



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-8TH

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

1. The population of a city was 20,000 in the year 1997. It increased at the rate of 5% p.a. Find the population at the end of the year 2000.
2. A man buys a plot of agricultural land for Rs. 300000. He sells one-third at a loss of 20% and two-fifths at a gain of 25%. At what price must he sell the remaining land so as to make an overall profit of 10%.
3. The difference between two selling prices of a shirt at profits of 4% and 5% is Rs. 6. Find CP of the shirt and the two selling prices of the shirt.
4. The difference between the compound interest and simple interest on a certain sum of money at 15% per annum for 3 years is Rs. 283.50. Find the sum when the interest is compounded annually.
5. 24000 blood donors were registered with a charitable hospital. The number of donors increased at the rate of 5% every six month. Find the time period at the end of which the total number of blood donors becomes 27783.
6. A streamer goes downstream from point A to B in 9hrs. From B to A, upstream, it takes 10h. If the speed of the stream is 1km/hr, what will be the speed of streamer in still water? Also find distance between the points A and B.
7. The diagonals of a rhombus ABCD intersect at O. If angle ADC = 120° and OD = 6 cm, find (i) angle OAD (ii) side AB (iii) perimeter of the rhombus ABCD
8. Find the greatest 4-digit number which is a perfect square.
9. Find the compound interest on Rs. 320000 for 2 years at the rate of 2.5% per annum, if the interest is compounded
10. Is 53240 a perfect cube? If not, then by which smallest natural number should 53240 be divided so that the quotient is a perfect cube?

SUBJECT-SCIENCE

1. What are the various types of friction.
2. People often rub their hands in winter. Why?
3. Explain how deforestation associated with global warming?
4. How can we protect wildlife?
5. What is the difference between a zoo and wildlife sanctuary?
6. What do you mean by Biosphere Reserve?
7. What is differences between endangered and extinct species.
8. What are the causes and consequences of deforestation?
9. What is Red Data Book?
10. What do you understand by the term migration?

SUBJECT-SOCIAL SCIENCE

(Do in Previous Holiday Homework Notebook)

❖ **On the political map of India show the following: -**

- ✓ Locate 28 States
- ✓ Locate 8 Union Territory
- ✓ Locate Capital of 28 state & 8 union territory

❖ **On the political map of world show the following: -**

- ✓ Locate 7 continent
- ✓ Locate 5 Oceans

❖ **On the political map of India show/locate the following places: -**

- (a) Meerut (b) Bareilly (c) Lucknow (d) Kanpur (e) Jhansi (f) Faizabad (g) Delhi

❖ **Make a Project Scrape book of Paired State (Arunachal Pradesh) with following topics.**
Cuisine, Monuments & Jewelleries

(Each topic writes in 3 pages along with appropriate picture)

❖ **Make a Project Scrap book of International Year of Millets with following topic:**

- Importance
- Type of Crops
- Explain (every crop)
 - ✓ Significance
 - ✓ Conditions
 - ✓ Uses of crops
 - ✓ Benefit

(Each topic writes in 1 page along with appropriate picture)

SUBJECT-ENGLISH

1. PORTFOLIO CREATION: Create an English Portfolio

- Welcome to my Portfolio(1st page- decorate this intro page)
- English in daily life, purpose and advantages of learning a new language(from 2nd page)
- My Strengths and Accomplishments- development in my strengths
- My Weak Areas- need to work on
- My Achievements- certificates
- My creative side- (any self-composed poem, story, article, art integrated work etc.)

2. Write a story in about 150 words on the given outline.

Outline:

I peeked at my watch. It was exactly 12 midnight., I had missed the last bus home and hence I had walked for almost an hour. Thank God! Home was just a few kilometres away. Suddenly

Complete the story in any suitable way in about 150 words. Give a suitable title to your story

3. You are Aman/ Akriti, a student of class VI of B. D. Public School, Ranchi. You found somebody's watch in the school premises. Write down a notice for it.

4. 'Service for the welfare of others should be the aim of human deeds'.

Elaborate this in 80-100 words with reference to 'The selfish giant'.

5. Write articles, story, poem, or any fact related to any subject for school magazine. Under "creative corner".

Do not copy paste from anywhere. It must be original. Soft copy of the same will be collected later.

HAPPY DURGA PUJA.

SUBJECT-HINDI

निर्देश:- सभी विद्यार्थी यह गृहकार्य अपनी हिन्दी कॉपी में ही करेंगे ,कोई अलग कॉपी नहीं बनायेंगे।

- .1आप अपनी किसी यात्रा के खट्टे मीठे अनुभवों को याद करते हुये एक लेख लिखिए।
- .2आपके सपनों का भारत कैसा होना चाहिए ? लिखिए।
- .3डाकिया ,ईमेल तथा पक्षी और बादल इन तीनों संदेशवाहकों के विषय में एक सचित्र लेख तैयार कीजिए ।
- .4प्राचीन भारत में गणितशास्त्र की स्थिति पर विचार करते हुये कुछ प्रमुख गणितज्ञों के योगदान बताइये।
- .5आप अपने परिवार या दोस्तों के साथ अपने आसपास दुर्गा-पूजा देखने जाते हैं ,इसका वर्णन करते हुये अपने मित्र को पत्र लिखें।
- .6प्रेमचंद ,यशपाल ,जैनेन्द्र की किसी कहानी को पढ़कर उससे मिलने वाली शिक्षा लिखिए।

SUBJECT-WE

1. Write 10 electrical safety rules.
2. Write first aid to be observed in case of electrical shock.
3. Draw the pic of **CPR**.
4. Write the function and importance of fuse also draw the symbol of fuse.
5. Write the work of diode also draw its symbol.
6. Write the name of two semiconductor materials.

7. Project and practicals-

Take 3 nos. of led bulbs and 3 nos. of bulb holders, connect them into series with help of wire.



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

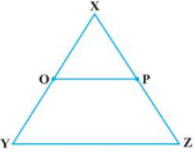
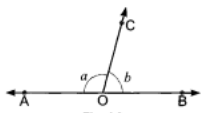
AUTUMN BREAK HOMEWORK

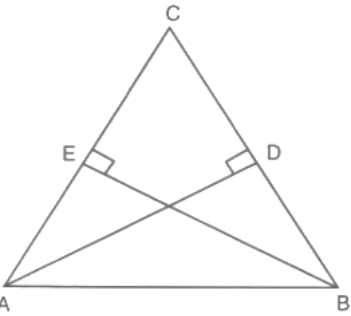
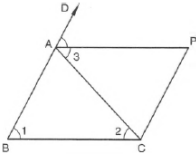
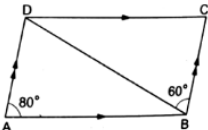
SESSION-2023-24

CLASS-9TH

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

	Do all questions in MATHS C.W. Copy.
1	Rationalise: $\frac{1}{\sqrt{7}+\sqrt{3}-\sqrt{2}}$.
2	If $a = \frac{3+\sqrt{5}}{2}$, then find the value of $a^2 + \frac{1}{a^2}$.
3	Factorise: $ab(x^2 + y^2) - xy(a^2 + b^2)$
4	Using remainder theorem factorise: $x^3 - 3x^2 - x + 3$
5	Verify that $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x + y + z)[(x - y)^2 + (y - z)^2 + (z - x)^2]$
6	Name the quadrant in which the following points lie: (i) A(2, 9) (ii) B(-3, 5) (iii) C(-4, -7) (iv) D(3, -2)
7	Write the coordinates of the vertices of a rectangle whose length and breadth are 5 and 3 units respectively, one vertex at the origin, the longer side lies on the x - axis and one of the vertices lies in the III quadrant.
8	Find at least 3 solutions for the linear equation $2x - 3y + 7 = 0$.
9	Find five different solutions of the equation: $3y = 4x$
10	If P, Q, and R are three points on a line and Q is between P and R, then prove that $PR - QR = PQ$.
11	In the given figure, if $OX = \frac{1}{2}XY$, $PX = \frac{1}{2}XZ$ and $OX = PX$, show that $XY = XZ$. 
12	Find the angle whose complement is one third of its supplement.
13	In Fig. $\angle AOC$ and $\angle BOC$ form a linear pair. If $a - b = 20^\circ$, find the values of a and b. 

14	<p>In given figure, AD and BE are respectively altitudes of a triangle ABC such that AE = BD. Prove that AD = BE.</p> 
15	<p>Line segment joining the mid - points M and N of parallel sides AB and DC, respectively of a trapezium ABCD is perpendicular to both the sides AB and DC. Prove that AD = BC.</p>
16	<p>In the figure, ABC is an isosceles triangle in which AB = AC. CP AB and AP is the bisector of exterior $\angle CAD$ of $\triangle ABC$. Prove that (i) $\angle PAC = \angle BCA$ and (ii) ABCP is a parallelogram.</p> 
17	<p>In the adjoining figure, ABCD is a parallelogram in which $\angle DAB = 80^\circ$ and $\angle DBC = 60^\circ$. Calculate $\angle CDB$ and $\angle ADB$.</p> 

SUBJECT – ENGLISH

- Do all exercises of ‘Keeping from Harold’ from Literature Reader
- Write 200 action words (Verbs) in all forms, 100 different words synonyms and antonyms from your textbook
- . You have Noticed a few suspicious characters in your neighborhood. As a concerned citizen you inform the local police station in-charge about the characters. Write the dialogue you had with the police officer, including reasons why you found the characters suspicious in 100 words.
- **Your father has sent a beautiful gift on your birthday from New York. Write a letter to him expressing your feelings of love and admiration for him. You are Sapna/Mudit, living at D-30, Saraswati Chennai.**
- **Fill the gaps with the help of the given options**

Last month the Annual Meet of our academy (1)____. The District Collector (2)____ to bless the occasion as the special guest. The ceremony (3)____ by the Chairman while the Collector, the special guest gave the awards to the achievers.

- A (i) is celebrated
 (iii) was celebrated
- B (i) was invited
 (iii) is invited

- (ii) had been celebrated
 (iv) shall be celebrated
- (ii) has been invited
 (iv) shall be invited

- C (i) is inaugurated (ii) was inaugurated
 (iii) will be inaugurated (iv) has been inaugurated

SUBJECT – SOCIAL SCIENCE

(Do Home Work in Separate Notebook)

- ❖ Make a Map work as per CBSE split up syllabus 2022-23.

CLASS IX LIST OF MAPS			
S. No.	Subject	Name of the Chapter	List of Areas to Be Map Pointed
I	History	French Revolution	Outline political map of France Locate/label/identify; • Bordeaux, Nantes, Paris and Marseille
		Socialism in Europe	Outline political map of world locate/label/identify major countries of World War: central powers - Germany, Austria-Hungary, Turkey (Ottoman Empire) Allied Powers-France, England, Russia and USA
II	Geography	India: size & location	<ul style="list-style-type: none"> India - States with Capitals Tropic of Cancer, Standard Meridian (Location and Labelling) Neighbouring countries
		India physical features	<ul style="list-style-type: none"> Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats Mountain Peaks – K2, Kanchan Junga, Anai Mudi Plateau - Deccan Plateau, Chota Nagpur Plateau, Malwa Plateau Coastal Plains - Konkan, Malabar, Coromandel & Northern Circar (Location and Labelling)
		Drainage system	Rivers: (Identification only) <ul style="list-style-type: none"> The Himalayan River Systems-The Indus, The Ganges, and The Sutlej The Peninsular Rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi Lakes: Wular, Pulicat, Sambhar, Chilika
		Climate	<ul style="list-style-type: none"> Annual rainfall in India, Monsoon wind directions
		Population	<ul style="list-style-type: none"> Population density of all states The state having highest and lowest density of population

Page 17 of 60

Social Science Syllabus Class IX & X 2023-24

- ❖ Make a separate project scrap book of Forest Society and Colonialism
- ❖ Distinguish Between following: -
- Bhangar and Khadar. (5 Points)
 - Western Ghat and Eastern Ghat. (6 Points)
 - Western Coastal Plain and Eastern Coastal Plain. (3 Points)
 - Mountain and Plateau. (6 Points)
 - Himalayan River and Peninsular River. (6 Points)

- ❖ Make a Project note book/ Scrape book of Paired State (Arunachal Pradesh) with following topics.
Cuisine, Monuments & Jewelleries
(Each topic writes in 3 pages along with appropriate picture)

SUBJECT- HINDI

1. प्रयागराज जिले के 5 ऐतिहासिक अथवा धार्मिक स्थलों के बारे में विस्तारपूर्वक सचित्र वर्णन करते हुए लिखिए ।
2. हिन्दी साहित्य के 5 कवयित्रियों / कवियों के जीवन परिचय, लेखन कार्य को विस्तारपूर्वक सचित्र वर्णन करते हुए एक-एक कविता लिखें ।
3. राष्ट्रीय ध्वज के इतिहास के विषय में विस्तार पूर्वक लिखें ।
4. भारत के राष्ट्रीय खेल हाकी के इतिहास, खेलने के नियम आदि के विषय में विस्तारपूर्वक सचित्र वर्णन कीजिए ।

SUBJECT-SCIENCE

1. **Prepare** a brief write up on one topic as assigned with your roll numbers below

Role of Air for us- **Roll Number 1-8**

Role of water for us- **Roll Number 9-16**

Hole in Ozone layer and probable damage- **Roll Number 17-23**

Nitrogen Cycle- **Roll Number 24-31**

Water Cycle- **Roll Number 32-36**

Carbon Cycle- **Roll Number 37 onwards**

2. **Read** chapter 14 Natural Resources thoroughly and solve all the Intext question
3. **Write** short note on
 - (a) "Discovery of cell"
 - (b) Cell Theory

SUBJECT-A.I.

1. If given a chance , what type of AI application would you like to develop or get developed?
2. Enlist some AI based jobs of future.
3. Discuss some applications of AI which are currently very popular.

SUBJECT-WE

1. Write the full form of MCB and draw its diagram.
2. Draw the diagram of an electromagnet and also write its five uses.
3. Write the name of different types of earthing.
4. What is fuse? Draw its symbol and also write what materials are used to make fuse.
5. What is the working principle of an electric motor? Write its uses in our daily life.

6. Project and practical-

With the help of soldering wire join the 2 wires and 3 wires in form of alphabet P and A.



Kendriya Vidyalaya C.R.P.F., PRAYAGRAJ

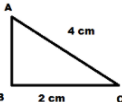
AUTUMN BREAK HOMEWORK

SESSION-2023-24

CLASS-10TH

NOTE:-DO NOT MAKE A SEPARATE COPY FOR HOLIDAY HOME WORK.

SUBJECT-MATHS

	Do all questions in CW Copy.
1	Prove that $(3 + 2\sqrt{5})^2$ is irrational.
2	Prove that the area of $\triangle ABC$ is irrational 
3	m, n are zeroes of $ax^2 - 5x + c$. Find the values of a and c if $m + n = mn = 10$.
4	Find the zeroes of the polynomial $2s^2 + (1 + 2\sqrt{2})s + \sqrt{2}$ by factorisation method and verify the relationship between the zeroes and coefficient of the polynomial.
5	If α and β are the zeros of the quadratic polynomial $f(x) = ax^2 + bx + c$, then evaluate: $a\left(\frac{\alpha^2}{\beta} + \frac{\beta^2}{\alpha}\right) + b\left(\frac{\alpha}{\beta} + \frac{\beta}{\alpha}\right)$
6	The present age of a woman is 3 years more than three times the age of her daughter. Three years hence, the woman's age will be 10 years more than twice the age of her daughter. Find their present ages.
7	Solve system of equations: $0.4x + 0.3y = 1.7$ $0.7x - 0.2y = 0.8$
8	To fill a swimming pool two pipes are used. If the pipe of larger diameter used for 4 hours and the pipe of smaller diameter for 9 hours, only half of the pool can be filled. Find how long it would take for each pipe to fill the pool separately, if the pipe of smaller diameter takes 10 hours more than the pipe of larger diameter to fill the pool.
9	A dealer sells a toy for ₹ 24 and gains as much per cent as the cost price of the toy. Then find the cost price of the toy. 38319
10	Find the values of k for which the equation $(3k + 1)x^2 + 2(k + 1)x + 1$, has equal roots. Also find the roots.
11	In an A.P. the first term is 8, n^{th} term is 33 and the sum to first n terms is 123. Find n and d, the common difference.
12	In an AP of 50 terms, the sum of first 10 terms is 210 and the sum of its last 15 terms is 2565. Find the AP.
13	The sum of the 4^{th} and 8^{th} term of an A.P. is 24 and the sum of the 6^{th} and 10^{th} term of the A.P. is 44. Find the A.P. Also, find the sum of first 25 terms of the A.P.

14	In a trapezium ABCD, $AB \parallel DC$ and $DC = 2AB$. $EF \parallel AB$, where E and F lie on BC and AD respectively such that $\frac{BE}{EC} = \frac{4}{3}$. Diagonal DB intersects EF at G. Prove that, $7EF = 11AB$.
15	The vertices of a $\triangle ABC$ are A (5,5), B (1,5) and C (9,1). A line is drawn to intersect sides AB and AC at P and Q respectively, such that $\frac{AP}{AB} = \frac{AQ}{AC} = \frac{3}{4}$. Find the length of the line segment PQ.
16	If the point $P\left(\frac{1}{2}, y\right)$ lies on the line segment joining the points A(3, - 5) and B(- 7, 9) then find the ratio in which P divides AB. Also, find the value of y.
17	In a $\triangle ABC$ it is given that $\angle B = 90^\circ$ and $AB: AC = 1: \sqrt{2}$. Find the value of $\left(\frac{2\tan A}{1+\tan^2 A}\right)$.
18	In a $\triangle ABC$, $\angle B = 90^\circ$, $AB = 5$ cm and $(BC + AC) = 25$ cm. Find the values of $\sin A$, $\cos A$, $\operatorname{cosec} C$ and $\sec C$.
19	The angle of elevation of the top of a building from the foot of the tower is 30° and the angle of elevation of the top of the tower from the foot of the building is 60° . If the tower is 50 m high, find the height of the building.
20	A man on the deck of a ship is 10 m above the water level. He observes that the angle of elevation of the top of a cliff is 45° and the angle of depression of the base is 30° . Calculate the distance of the cliff from the ship and the height of the cliff.

SUBJECT-HINDI

निर्देश:- सभी विद्यार्थी यह गृहकार्य अपनी हिन्दी कॉपी में ही करेंगे, कोई अलग कॉपी नहीं बनायेंगे।

1. यात्राएँ विभिन्न संस्कृतियों से परिचित होने का अच्छा माध्यम हैं। 'साना-साना हाथ जोड़ि यात्रा वृत्तांत के आधार पर इस कथन की समीक्षा कीजिए।
2. 'लेखक की तुलना में नवाब साहब अधिक शिष्ट और सभ्य थे।' लखनवी अंदाज पाठ के आधार पर सोदाहरण बताइए।
3. लक्ष्मण और परशुराम की चारित्रिक विशेषताओं में आप क्या अंतर पाते हैं? पाठ के आधार पर लिखिए।
4. 'मन के हारे हार है, मन के जीते जीत' विषय पर एक अनुच्छेद लिखिए।
5. इंटरनेट के बढ़ते उपयोग के साथ ही ऑनलाइन धोखाधड़ी और साइबर क्राइम में भी बहुत वृद्धि हुई है। इस बारे में छोटी बहन/ छोटे भाई को सतर्क करने के लिए लगभग 80-100 शब्दों में ईमेल लिखिए। (ईमेल कॉपी में न लिखकर manoichandraul.alld@gmail.com पर लिखिए)

SUBJECT-A.I.

- If given a chance , what type of AI application would you like to develop or get developed?
- Enlist some AI based jobs of future.
- Discuss some applications of AI which are currently very popular.
-

SUBJECT- SOCIAL SCIENCE

(Do Home Work in Separate Notebook)

❖ Make a Map work as per CBSE split up syllabus 2022-23.

**CLASS X
LIST OF MAP ITEMS**

Subject	Name of the Chapter	List of areas to be pointed on the Map
History	Nationalism in India	I. Congress sessions: <ul style="list-style-type: none"> 1920 Calcutta 1920 Nagpur. 1927 Madras session, II. 3 Satyagraha movements: <ul style="list-style-type: none"> Kheda Champaran. Ahmedabad mill workers III. Jallianwala Bagh IV. Dandi March
Geography	Resources and Development	Identify: Major Soil Types
	Water Resources	Locating and Labelling: <ul style="list-style-type: none"> Salal Bhakra Nangal Tehri Rana Pratap Sagar Sardar Sarovar Hirakud Nagarjuna Sagar Tungabhadra
	Agriculture	Identify: <ul style="list-style-type: none"> Major areas of Rice and Wheat

		b. Nuclear <ul style="list-style-type: none"> Narora Kakrapara Tarapur Kalpakkam
	Manufacturing Industries	I. Manufacturing Industries (Locating and Labelling only) <ul style="list-style-type: none"> Cotton Textile Industries: a. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore Iron and Steel Plants: a. Durgapur b. Bokaro c. Jamshedpur d. Bhilai e. Vijayanagar f. Salem Software Technology Parks: a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad, f. Bengaluru g. Chennai. h. Thiruvananthapuram
	Lifelines of National Economy	Locating and Labelling: a. Major sea ports <ul style="list-style-type: none"> Kandla Mumbai Marmagao New Mangalore Kochi Tuticorin Chennai Vishakhapatnam Paradip Haldia

		<ul style="list-style-type: none"> Largest/ Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute
	Minerals and Energy Resources	Identify: a. Iron Ore mines <ul style="list-style-type: none"> Mayurbhanj Durg Bailadila Bellary Kudremukh b. Coal Mines <ul style="list-style-type: none"> Raniganj Bokaro Talcher Neyveli c. Oil Fields <ul style="list-style-type: none"> Digboi Naharkatia Mumbai High Bassien Kalol Ankaleshwar Locate & label: Power Plants a. Thermal <ul style="list-style-type: none"> Namrup Singrauli Ramagundam

		b. International Airports: <ul style="list-style-type: none"> Amritsar (Raja Sansi - Sri Guru Ram Dass jee) Delhi (Indira Gandhi) Mumbai (Chhatrapati Shivaji) Chennai (Meenam Bakkam) Kolkata (Netaji Subhash Chandra Bose) Hyderabad (Rajiv Gandhi)
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❖ Make a separate project scrap book of Consumer Right/Social Issues/ Sustainable Development.

SUBJECT-SCIENCE

*Prepare a portfolio (Format have been sent in class group)

*Answer the following questions

Q1. Why is diffusion insufficient to meet the oxygen requirements of multi-cellular organisms like humans?

Q2. What criteria do we use to decide whether something is alive?

Q3. Why are molecular movements needed for life?

Q4. Gather information about various energy sources and how each one affects the environment.

Q5. In electrolysis of water, why is the volume of gas collected over one electrode double that of gas collected over the other electrode?

Q6. What will be the action of the following substances on litmus paper? Dry HCl gas, Moistened NH₃ gas, Lemon juice, carbonated soft drink, Curd, Soap solution.

SUBJECT-WE

1. Write working principle of thermal and nuclear power plants also draw the schematic diagram.

2. Write the definition of potential difference(voltage) ,current, resistance, resistivity, specific resistance also write their SI unit.

3. Write the formulas of resultant of series and parallel connection of three resistors.

4. Draw the diagram of step up and step down transformers and also label the parts of transformers.

5. Draw the symbol of IC, name the materials which is used to make IC, also draw the circuit of half wave rectifier.

6.Project and practical-

Make a battery eliminator of 6 volt(half wave rectifier)

Sample Paper 1 **Class X Exam 2023-24**

English-Language and Literature (184)

Time Allowed : 3 Hrs.

Maximum Marks: 80

General Instructions:

1. 15-minute prior reading time allotted for Q-paper reading.
2. The Question Paper contains THREE sections READING, GRAMMAR & WRITING and LITERATURE.
3. Attempt question based on specific instructions for each part.

SECTION A- READING SKILLS 20

I. Read the passage given below. 10

1. Hobbies help us grow as a person. The best way to have a new hobby is to try something new. All of us are unique, and this is the reason why our hobbies and interests are different. Once we find an activity we are passionate about, we can explore that activity more. When you get hooked, you will realize that your hobby has become an integral part of your life. Having a hobby that we enjoy brings us joy and refreshes us. Hobbies help us to manage our leisure and unplanned time more productively. It also affords you the opportunity to learn new skills in your work. But these are not the only benefits of having a hobby.
2. It feels great to be skilled and good at something, doesn't it? And this is what that makes you confident. It can take some time to develop your hobby so that you may be able to tell that you are skilled. But, the journey of experiencing your hobby is very rewarding in itself. With the exposure to different types of activities these days, it doesn't matter which activity you choose. Whether you are pursuing a craft, sports, puzzles, or skill development, your hobby should be a diversion and a passion. Simultaneously, if your hobby gives you a sense of purpose, then you will be more confident about challenging yourself in your hobby and help you prepare for learning new things at work.
3. Hobbies give you an opportunity to enhance your life. Hobbies allow you to de-stress yourself while remaining mentally productive. Having hobbies promotes better health and may lower the risk of having high blood pressure. Enjoying a few hours of your hobby a week can also reduce the risk of depression and dementia. Hobbies refocus your mind on to something that you enjoy doing. Hobbies that include physical activities create chemical changes in your body that help to reduce stress.
4. Even if it doesn't involve physical activities, you can still reap the benefits of having a hobby. Getting a

short break from work and doing something you are passionate about can rejuvenate your mind and help prepare you to handle challenges in the future in a better way.

5. Hobbies may provide an opportunity for you to socialize with people and that can be an additional benefit for your overall well-being. You can connect with people who enjoy doing the same things that you do. You can meet new people, discuss your hobby and get connected to a bigger circle that may even help you turn your hobby into your profession. The internet provides numerous groups and forums to connect with people that enjoy doing the same things that you want to do.
6. Some hobbies require creativity and if you develop creativity through your hobby, it can be beneficial. Creativity can help you experience new things at school and work. The skill of being creative is essential in today's world.

Based on your understanding of the passage, answer the questions given below.

- i. When a person gets hooked on a hobby, he realises that :
 - (a) it has become an integral part of our life.
 - (b) it has much more benefits than we realised.
 - (c) it is much more enjoyable to have a hobby.
 - (d) it is quite essential for us to learn some skills through our hobbies.
- ii. No matter which sort of hobby you are pursuing, be it a craft, sports, puzzles, or skill development, your hobby should be :
 - (a) useful for you in the long run.
 - (b) a skill that improves your present circumstances.
 - (c) a diversion and a passion.
 - (d) followed through till the end.

- iii. The journey of experiencing a hobby is quite :
- challenging for a person.
 - rewarding in itself.
 - demanding in itself.
 - inspirational for a person.
- iv. State any one way through which hobbies enhance your life?
- v. Getting a hobby means having a short break from work and doing something you are passionate about which can
- give you a peace of mind from all the other problems of daily hectic life and make you feel refreshed.
 - help you enhance and improve your skills and push you forward on your path to success.
 - make you enjoy and appreciate your life much more as you are happy pursuing what you love.
 - rejuvenate your mind and help prepare you to handle challenges in the future in a better way.
- vi. List any two benefits of having a hobby.
- _____
 - _____
- vii. What is essential in today's world?
- viii. Give an appropriate title for the passage.
- ix. Supply 1 point to justify the following:
Hobby provides you with an opportunity to socialise with people.
- x. Choose an option that is clearly a synonym of the word 'hooked'.
- opposed
 - indifferent
 - willing
 - captivated

II. Read the passage given below.

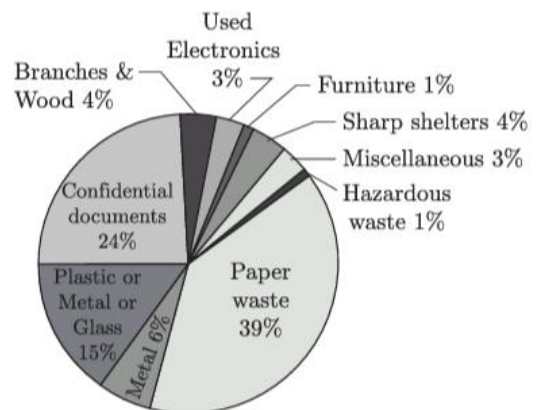
10

- Conference series LLC Ltd organises a conference series of 1000+ global events inclusive of 300+ conferences, 900+ upcoming and previous symposiums and workshops in USA, Europe and Asia with support from 1000 more Scientific societies and publishes 700+ open access journals which contain over 30000 eminent personalities, reputed scientists as Editorial board members.
- Recycling and Waste Management Convention 2018 proudly invites contributors across the globe

to 9th World Convention on Recycling and Waste Management during October 22-23,2018 in Osaka, Japan, which includes prompt keynote presentations, oral talks, poster presentations and exhibitions. We are delighted to say that it is the 9th World Convention on Recycling and Waste Management which will be held in a beautiful city of Osaka, Japan and hence we invite you all to attend and register.

- 9th World Convention on Recycling and Waste Management is mainly based on the theme "Advocating Waste Disposal and Recycling Practices for Clean and Green Environment." We warmly welcome all the participants - leading scientists, researchers and scholars of the world to attend the convention. We provide a platform for young researchers and students to present their research through oral presentations through which they can develop a foundation for collaboration among young researchers.
- The organising committee aims at setting a platform for all the budding scientists and researchers to present their real-time work and share their views and aspects related to the theme of the conference. The organising committee is gearing up for an exciting and informative conference programme including plenary lecture, symposia, workshops on a variety of topics, poster presentations and various programmes for participants from all over the world.

Total Recycling 2018



Based on your understanding of the passage, answer the questions given below.

- Infer one reason for the following, based on information in the passage.
Waste management and recycling it.
- Select the appropriate option to fill in the blanks.
_____ has been considered as the second nature to us.

- (a) Sorting of waste
 (b) Recycling of waste
 (c) Waste management
 (d) Implementing steps framed and deployed in convention
- iii. Complete the following analogy correctly with a word/phrase from paragraph 2:
 Delhi : India :: Tokyo : _____
 (Clue : Delhi is capital of India, similarly Tokyo is capital of...)
- iv. What theme is being highlighted in the given passage?
 (a) Efficient means of reducing garbage
 (b) Various techniques to be employed to recycle the goods
 (c) Efficient ways of waste disposal
 (d) Both (b) and (c)
- v. Which of the following notion in the conference has been emphasised to be deployed?
 (a) Waste disposal management
 (b) Waste management
 (c) Recycling of goods
 (d) Reshaping Earth's future
- vi. Fill in the blank by selecting the correct option.
 According to the pie-chart, Branches & wood has been recycled at the rate of _____.
 (a) 1%
 (b) 24%
 (c) 4%
 (d) 3%
- vii. Substitute the word 'present' with ONE WORD similar in meaning, in the following sentence from paragraph 3:
 We provide a platform for young researchers and students to present their research...
- viii. List any two points that the given data represents.
- ix. Which activity contributes collectively towards paper waste recycled percentage?
- x. What has been considered as an efficient means to reduce landfill area?
 (a) Sorting of waste
 (b) Recycling or composting waste
 (c) Both (a) and (b)
 (d) None of these

III. SECTION B- GRAMMAR 10

Attempt **ANY TEN** of the following questions. 10

- i. Fill in the blank by choosing the correct option to complete the sentence.
 The boys _____ to my lecture since 8 O'clock this morning.
 (a) were listening
 (b) have been listening
 (c) had been listening
 (d) None of these
- ii. Read the conversation between a mother and her daughter. Complete the sentence by reporting daughter's reply correctly.
 Mother: Why are you looking so worried?
 Daughter: My exams are approaching.
 Mother asked her daughter why she was looking very worried. The daughter replied that _____.
- iii. Select the correct option to fill in the blank for the given line.
 I _____ rather die than join the gang of terrorists.
 (a) could
 (b) should
 (c) would
 (d) can
- iv. Select the option that identifies the error and supplies the correction for the following line:
 A little political thinkers think that liberty and equality can't go together.
- | Option No. | Error | Correction |
|------------|----------|------------|
| (a) | can't | couldn't |
| (b) | think | thinks |
| (c) | A little | Some |
| (d) | go | goes |
- v. Complete the given sentence, by filling in the blank with the correct option:
 They met you at night after you _____ your work.
 (a) had finished
 (b) have finished
 (c) finished
 (d) will finish

- vi. Fill in the blank by using the correct form of the word in the bracket.
Chris, in addition to his brother Zack, _____ (play) hockey on Saturday.

- vii. Report the dialogue between a doctor and a patient, by completing the sentence:
Doctor : You should take this medicine every day.
Patient : Should I take it before dinner or after dinner?
Doctor : No, you should take it after breakfast.

The Doctor advised the patient that he should take that medicine every day. The patient further asked if he should take it before dinner or after dinner. The doctor replied negatively and then said that _____.

- viii. Identify the error in the given sentence and supply the correction.
Some guys like to fights on even playing grounds, and some guys like to cheat.

Use the given format for your response.

Error	Correction

- ix. Transform the following direct speech into reported speech:
He asked, "Will you be coming?"
- x. Fill in the blank by choosing the correct option, to complete the sentence.
My class teacher told me that I _____ work hard.
(a) shall
(b) could
(c) can
(d) should
- xi. Select the correct option to complete the narration of the dialogue between Radha and Shikha.
Radha : Do you know how to swim?
Shikha : Yes I know. I have learnt it during this summer vacation.

Radha asked Shikha if/whether she knew how to swim. Then Shikha replied in affirmative and also added that _____.
(a) she had learnt it during the summer vacation
(b) she has learnt it during the summer vacation
(c) she have learnt it during the summer vacation
(d) she had learn it during the summer vacation

- xiii. Identify the error and supply the correction, for the following sentence:
Every people went to welcome the Indian Cricket team.

Error	Correction

IV. SECTION B- CREATIVE WRITING SKILLS 10

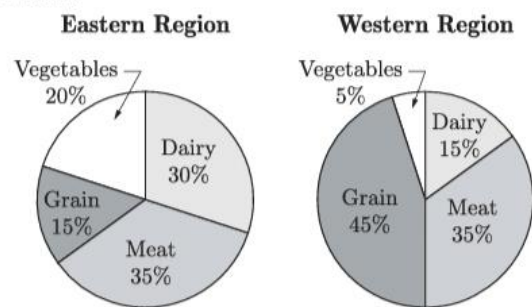
All the names and addresses used in the questions are fictitious. Resemblance, if any, is purely coincidental.

1. Attempt **ANY ONE** from A and B given below. 5
A. Write a letter to the Editor of "The Times of India", Delhi expressing your concern over the increase in the rate of road accident, rash driving and overcrowded road transport. You are Priya/Priyanshu living at B-47 Avas Vikas, Mayur Vihar, New Delhi.

Or

- B. Write an application to your principal asking permission to remain absent from school for 5 days on account of your brother's marriage.

2. Attempt **ANY ONE** from A and B given below. 5
A. The charts below show agricultural production in two different regions of the country. Write an analytical paragraph in 100-120 words by selecting and reporting the main features, and making comparisons where relevant.



Or

- B. Given below is a newspaper report on the state of cancer prevailing in India. You have been asked to write an analytical paragraph on 'Cancer - a silent killer' Taking information from the clipping given below together with your own ideas, write this paragraph in 100-120 words.
"In India, cities are more cancer-prone than rural areas. In the early 1990's, we expected one out of 10-

15 urban Indians to get cancer in their life-time, that is every second or third family would have to face this disease. This is partly due to high levels of benzene in the air and also that the metros are exposed to high levels of pesticides in their foods. In order to check the steady growth of cancer in the country, the Government shall have to give priority to preventive action. At the same time measures to undertake improvement in facilities for the treatment of cancer shall have to be adopted.”

SECTION C- LITERATURE 40

V. Reference to the Context 10

1. Attempt **ANY ONE** of two extracts given. 5

1.A “It was only when I began to learn that my boyhood freedom was an illusion, when I discovered as a young man that my freedom had already been taken from me, that I began to hunger for it. At first as a student I wanted freedom only for myself, the transitory freedoms of being able to stay out at night, read what I pleased and go where I chose. Later, as a young man in Johannesburg, I yearned for the basic and honourable freedoms...”

(Nelson Mandela : Long Walk to Freedom)

- i. The title that best suits this extract is
 - (a) Freedom for everything
 - (b) Knowledge about Freedom
 - (c) Significance of Freedom
 - (d) Realisation of Freedom
- ii. Why do you think the speaker mentions some freedoms as ‘transitory’?
- iii. Choose the option that best fits the usage of the word ‘illusion’ as used in the extract.
 - (a) He was never able to get past the illusion.
 - (b) The illusion I experienced was quite intriguing.
 - (c) A large mirror in the room creates an illusion.
 - (d) I was living under the illusion that this is possible.
- iv. The speaker says, ‘at first as a student I wanted freedom only for myself.’ Why do you think he only thought about himself?
 - (a) He didn’t want to think about the freedom denied to others.
 - (b) He was being selfish and was only bothered about himself.

- (c) He didn’t think that freedom denied to him was important for others.
- (d) He was too young to realise that freedom was denied to others as well.

v. Fill in the blank with ONE WORD only.

The speaker’s belief about freedom, since _____ proved false. It was not until the speaker grew up to be a young man when it dawned on him that he was deprived of freedom.

Or

1.B THINK-TANK: Mirror, mirror, in my hand. Who is the most fantastically intellectually gifted being in the land?

OFFSTAGE VOICE: (after a pause) You, sir.

THINK -TANK: (smacking mirror) Quicker. Answer quicker next time. I hate a slow mirror. (He admires himself in the mirror.) Ah, there I am. Are we Martians not a handsome race? So much more attractive than those ugly Earthlings with their tiny heads. Noodle, you keep on exercising your mind, and someday you’ll have a balloon brain just like mine.

NOODLE: Oh, I hope so, Mighty Think-Tank. I hope so.

THINK -TANK: Now, contact the space probe. I want to invade that primitive ball of mud called Earth before lunch.

NOODLE: It shall be done, sir. (He adjusts levers on switchboard. Electronic buzzes and beeps are heard as the curtains open.)

(The Book that Saved the Earth)

- i. Choose the option that lists the most appropriate meaning of think-tank from those given below.
 - (a) A tank that helps you think deeper than an average person, if you use its contents regularly.
 - (b) Non-stop flow of ideas from a fixed source about one particular issue.
 - (c) A pool of ideas and solutions to various problems via an individual, group or organisation.
 - (d) A method by way of which people think collectively to identify stray thoughts among them.
- ii. The playwright places certain words and sentences in brackets in the given extract. List any two ways these benefit both the director and actors.
 1. _____
 2. _____

- iii. Choose the option that correctly categorizes the phrase “(after a pause)” based on the dialogue given above.
- aside
 - stage direction
 - narration
 - setting
- iv. Choose the option that gives you fits the example of an irony from the ones given below.
- “Who is the most fantastically intellectually gifted being in the land?”
 - “I hate a slow mirror.”
 - “Noodle, you keep on exercising your mind, and someday you’ll have a balloon brain just like mine.”
 - “I want to invade that primitive ball of mud called Earth before lunch.”

- v. Complete the analogy by selecting the suitable word from the text.
- spinning : top :: rotation : _____
- (Clue : Spinning is the movement of a top, similarly rotation is the movement of the...)

2. Attempt ANY ONE of two extracts given. 5

- 2.A** If strolling forth, a beast you view,
Whose hide with spots is peppered,
As soon as he has leapt on you,
You’ll know it is the Leopard.
Twi’ll do no good to roar with pain,
He’ll only lep and lep again.
(How to Tell Wild Animals)

- i. Choose the option listing the stanza that would follow the given extract.
- The leopard stalks on silent paws.
With deadly armor of fangs and claws.
He lies in his tree perch through out the day.
Sleeping and resting the hours away.
 - A spotted leopard in a banyan tree,
kept his yellow carnivore-ic eyes on me.
I knew better than to move fast or try to flee.
His eyes narrowed, but I refused to see.
How fast that cat was chasing after me.
If I can just get to that tall tall.....

- His claws and paws will make you forget,
If you’re in a dream or reality,
And you’ll feel clawed and pawed. I bet,
The peppered pounce a certainty.
This a beast that runs and strikes fast,
If you’re caught you sure won’t last.
- The leopard and the lion chose to become friends,
For they were all proud of claws on their paws,
They each glorified one another for their mighty,
Ability to live on meat of other fauna throughout a year,
They each admired one another for running speed,
They each remained firm and loyal to one rule;
Lions don’t eat leopards neither leopards eat lions.

- Option 1
- Option 2
- Option 3
- Option 4

- ii. Given below are four examples of activities that Jasmeet does. Choose the option that correctly demonstrates ‘strolling’.

- Jasmeet runs with a great speed after being chased by a dog.
- Jasmeet walks in the garden, relaxing while listening to his favourite song.
- Jasmeet skids sharply on the icy skate rink.
- Jasmeet rushes to switch off the water pump in the backyard.

- iii. State whether the following statement is TRUE or FALSE:

The poet asks the reader to hide on seeing the leopard.

- iv. The repetition used in “he’ll only lep and lep again” is an example of _____.

- v. Choose the option that matches with the rhyme scheme of the extract.

- Proud loud child wild jungle mingle
 - Wild jungle child mingle loud proud
 - Wild proud child loud jungle mingle
 - Loud jungle wild child mingle proud
- option 1
 - option 2
 - option 3
 - option 4

Or

- 2.B** The fog comes
on little cat feet.
It sits looking

over harbour and city
on silent haunches
and then moves on.

(Fog)

i. List any two qualities of the cat that Carl Sandburg applies to the fog?

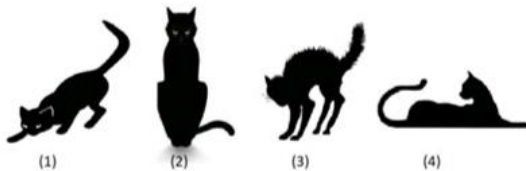
1. _____
2. _____

ii. Which one/s of the following applies to the given lines?

1. Personification is a literary device where you give an animal, object or natural phenomenon, qualities or abilities that only a human can have.
2. Transferred epithet is a literary device when an adjective usually used to describe one thing is transferred to another.
3. Imagery is the language used by poets and writers to create visual representation of ideas in the minds of the readers.
4. Oxymoron is a figure of speech in which contradictory terms appear side by side.

- (a) 1 and 4
- (b) 2 and 3
- (c) Only 1
- (d) Only 3

iii. Pick the option that includes an image of the cat on its haunches.



- (a) Option 1
- (b) Option 2
- (c) Option 3
- (d) Option 4

iv. Choose the option that does not list movement of the fog.

1. It stole in on us like a foot-pad somewhere out of the sea and air... E.J.Pratt
2. A fog drifts in, the haevy-laden Cold white ghost of the sea- Sara Teasdale
3. The fog it tricks the eye The wonder of the vell of shite under the clear blue sky. K.C.Cox
4. ...comes gliding, rolling in at ground level, pressing its white featureless face against... -R.H.Grenville

- (a) Option 1
- (b) Option 2
- (c) Option 3
- (d) Option 4

v. Complete the analogy by selecting the suitable word from the text.

manacle : hands :: fetter : _____

(Clue : A manacle is a shackle for the hands, and a fetter is a shackle for the...)

VI Answer **ANY FOUR** of the following in about 40-50 words each. **4 × 3 = 12**

- i. Why does the postmaster send money to Lencho? Why does he sign the letter 'God'?
(A Letter to God)
- ii. What special characteristic of Mijbil did Maxwell learn after he took him to the bathroom?
(Mijbil the Otter)
- iii. Why did the Buddha ask Kisa Gotami to bring a handful of mustard seeds?
(The Sermon at Benares)
- iv. Describe the method Anne Gregory suggested in order to prove that she is loved for who she is.
(For Anne Gregory)
- v. "Fire and Ice" project a pessimistic outlook. Comment.

VII Answer **ANY TWO** of the following in about 40-50 words each. **2 × 3 = 6**

- i. Why was Tricky an uninteresting object for other dogs at the surgery?
(A Triumph of Surgery)
- ii. Henry unintentionally saved Ausable's life. Briefly comment.
(The Midnight Visitor)
- iii. How did the Loisels react when they realized that the necklace had been lost?

VIII Answer **ANY ONE** of the following in about 100-120 words. **6**

- i. Valli was sensitive, but at the same time, she was fearless and quite determined. Think of another character from your textbook, First Flight, who displayed similar character traits. Compare and contrast the lives of Valli and the other character.

Or

- ii. Explain the phrase "the forest that was empty all these days". After reading the poem "The Trees", for whom do you think are the forests needed? Imagine

you are a tree in a forest, what values would you like the humans to learn from the tree ?

IX Answer ANY ONE of the following in about 100-120 words. 6

- i. “And in her smiling eyes was the right of deep satisfaction that an artist feels when he is contemplating the completion of his masterpiece.” Imagine you are Bholi’s teacher. You are overwhelmed with a sense of satisfaction to see the conversion of ‘Bholi’ to ‘Sulekha’. Express your feelings in the form of a diary entry.

Or

- ii. Give a character-sketch of Hari Singh.
(The Thief’s Story)

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SUBJECT-LIBRARY

- For class 6th To 10th

HOLIDAY HOMEWORK (OCTOBER, 2023)

SUBJECT- LIBRARY

- 1 Write any 25 Titles of Books.
2. Write any 10 Magazines name.
3. Why we should read a Book.
4. Write any 5 reasons for reading Books.
5. Write Daily 5 Quiz questions with their Answers.
6. Read Newspaper Daily and try to find any 10 important facts or events.
7. Try to set up your own Library or place for collection of your favorite Books.
8. Make a List of 10 Books which is your favorite.
9. Write any 25 Quotations in Hindi Or English With Name.
10. Read and Write any one Biography of a Poet or Author Which is in your Text Book of Hindi or English.