

**KENDRIYA VIDYALAYA DRDO,
BANGALORE SUMMER VACATION
HOLIDAY HOMEWORK-
2025-26 CLASS III-
ENGLISH**

(Write in a 100-page single-lined notebook-Holiday homework book)

1. Write 10 naming words (names of people, places, animals, birds, things etc.)

2. Write 5 action words and draw/paste pictures.

3. Write 5 phrases using describing words. For example: - A beautiful peacock.

4. Write one sentence each, starting with the English alphabets(A-Z)

[Refer page number 8 to 12 of your text book(Santoor) and make sentences on your own]

5. Write a few lines about your friend.

[Refer page 32 of your textbook- Santoor]

केंद्रीय विद्यालय डी आर डी ओ

ग्रीष्मकालीन अवकाश गृह कार्य

विषय : हिन्दी

कक्षा - तीसरी

1.लेखन कार्य :

एक से लेकर पचास तक हिंदी में गनती लिखिए।

प्रतिदिन अपना नाम हिंदी में लिखने का अभ्यास करें।

2. रचनात्मक लेखन :

निम्नलिखित विषयों में से किसी एक विषय पर 10 -12 पंक्ति लिखिए।

मेरा विद्यालय

मेरा पसंदीदा पेड़

3. शब्दकोश बनाना :

हिंदी वर्णमाला के हर अक्षर से शुरू होने वाले एक-एक शब्दों की सूची बनाएं।

(जैसे: अ – अनार , आम ; क – कबूतर , कागज़)

4. सुलेख अभ्यास

सुंदर लिखावट में पांच पेज सुलेख लिखिए ।

KENDRIYA VIDYALAYA DRDO, BANGALORE

SUMMER HOLIDAY HOMEWORK-2025-26

CLASS 3 MATHEMATICS

A. Write number names of given 2-digit numbers. Count and write the number of alphabets in each number and put tally mark.

Sl.no.	Number	Number name	Number of alphabets	Tally mark
1.	23			
2.	45			
3.	63			
4.	37			
5.	89			

B. Do as directed

a) Forward counting from 301 to 400 .

b) Backward counting from 201 to 100 .

C. Draw and colour objects that look like the shapes given below

(a) Rectangle (b) Triangle (c) Circle (d) Square

D. Draw a beautiful rangoli using straight and curved lines and colour it.

(Holiday homework is to be done in a separate notebook)

KENDRIYA VIDYALAYA DRDO, BANGALORE
SUMMER HOLIDAY HOMEWORK-2025-26
CLASS-III EVS

(Write in a 100-page single lined notebook – Holiday homework book)

- 1) Write one paragraph on “How I take care of Plants /Animals in my Home” (8-10 lines). Make a list of plants which is in your home.
- 2) Write your famous family tradition which is done by your family members.(Any Two)
- 3) Draw a poster on “MELA” in A4 size paper and stick in your holiday notebook.
- 4) Sketch different vehicles seen in the neighborhood (any 5).
- 5) What safety rules should we follow when travelling by “BUS”?

KENDRIYA VIDYALAYA DRDO, BENGALURU

CLASS-4 ENGLISH

SUMMER VACATION HOLIDAY HOMEWORK 2025-26

GENERAL INSTRUCTIONS:

- Students to do all the questions in a separate notebook.
- Students can draw/ paste the pictures for Q2 and Q3.

Q1. Draw a picture of your birthday/ festival celebration and describe it in 10-12 lines.

Q2. PICTURE COMPOSITION:- Using the clues, write a short paragraph of 7-8 sentences about the given picture. _

Dark, overcast sky, pouring rain, strong wind, children, mud puddles, umbrellas, raincoat



Q3. Observe the picture and frame five questions.



Q4. READING COMPREHENSION: The Magic of Reading

In a small town, there was a library filled with books of all kinds. Children loved to visit the library after school. Among them was a girl named Mia, who adored reading. Every time she opened a book, she felt like she was entering a new world.

One day, Mia found an old book hidden in a corner. It was dusty and looked forgotten. Curious, she took it home and began to read. The story was about a brave knight who went on adventures to save his kingdom. Mia was captivated! She read late into the night, imagining herself as the knight.

From that day on, Mia visited the library every week, discovering new stories and making friends with other young readers. She realised that reading not only entertained her but also helped her learn about different cultures and ideas.

Questions:

1. What did Mia love to do?
2. When did all the children go to library?
3. Where did Mia find the old book?
4. Why did Mia take the book home?
5. How did reading make Mia feel?

केन्द्रीय विद्यालय डी. आर. डी. ओ.

ग्रीष्मकालीन अवकाश गृहकार्य (2025-26)

कक्षा - 4

विषय - हिन्दी

1. 6cm × 6 cm का फ्लैश कार्ड से हिन्दी की गिनती (० - ९) की लड़ी बनाइए ।

उदाहरण -



2. चित्र देखकर बच्चों और मोर के बीच संवाद (बातचीत) का वर्णन कीजिए । (8-10 वाक्यों में)



3. कौन-सी चीजें किस इकाई (unit) में मापी जाती है ?

किलोग्राम , लीटर , मीटर , सेंटीग्रेड , दर्जन , किलोमीटर

- | | |
|-----------|--------|
| • कपड़ा - | चीनी - |
| • अंडा - | आलू - |
| • बुखार - | तेल - |
| • केले- | सड़क - |
| • दूध - | |
4. पेड़ की डायरी (रचनात्मक लेखन)
- सोचकर लिखिए की अगर पेड़ के पास अपनी एक डायरी होती तो वह उसमें क्या- क्या लिखता ?
5. हिन्दी अखबारों के एक सूची बनाकर उनका एक कॉलेज बनाइए ।

KENDRIYA VIDYALAYA, DRDO, BENGALURU

CLASS-4 MATHS

SUMMER VACATION HOLIDAY HOMEWORK 2025-26

A. Write multiplication tables from $1 \times 1 = 1$ to $12 \times 1 = 12$ one time and learn

the tables

B. Do as directed:

- i) Write the pin code of C V RamanNagar.
- ii) Write the number name for it.
- iii) Form the greatest and smallest numbers using those digits
- iv) Write the successor (+1) and predecessor (-1) of it.
- v) Expand and write the number.

C. Do as directed:

- i) Draw any four 3D shapes.
- ii) Write the number of sides, edges and corners of each 3D shape.
- iii) Give one example for each and paste one picture each.

(Holiday homework is to be done in a separate notebook)

KENDRIYA VIDYALAYA DRDO, BENGALURU

CLASS-4 EVS

SUMMER VACATION HOLIDAY HOMEWORK 2025-26

1. What do you mean by visually impaired person? Write about any 2 famous personalities who are visually impaired and their contributions. Also paste their pictures.
2. Who is a baker? What are the products they make? Write the recipe of any one bakery product that you like with pictures.
3. Draw and make a list of vehicles which move with a siren. Also find the reason behind it.
4. Write a poem about the four directions?
5. Note down the landmarks (important things/buildings) within 1 kilometer of your house.

KENDRIYA VIDYALAYA DRDO, BENGALURU

CLASS-5 ENGLISH

SUMMER VACATION HOLIDAY HOMEWORK 2025-26

Q1 Write 5 sentence using each pair of homophones.

Example: Pair: their/there

Sentence: Their car is parked over there.

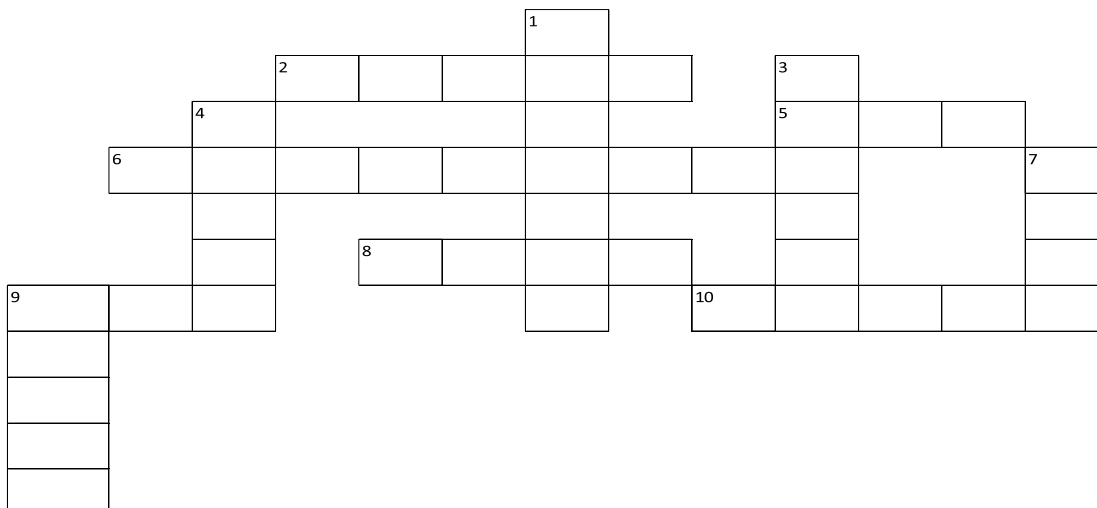
Q2 Walk around your house and list 10 countable nouns (eg: spoons, books) and 10 uncountable noun (eg: water, rice)

Q3 Read the paragraph carefully and list the pronouns. Pick any 5 and frame sentences.

Riya and her brother Aman love going on adventures. Last weekend, they went to a nature park with their parents. It was a sunny day, and they were excited. Riya packed her backpack, and Aman helped her carry it. When they reached the park, they saw many birds and butterflies. Their parents told them to stay close. They all walked together and took many pictures. Later, they sat under a big tree and ate their lunch. Everyone enjoyed it, and they said they would come again.

Q4 complete the crossword puzzle with correct antonyms (opposite word)

Across: 2. Above	5. On	6. Same	8. Mean	9. Dry	10. Full
Down: 1. Wrong	3. Top	4. Heavy	7. Leave	9. Best	



केन्द्रीय विद्यालय डी. आर. डी. ओ.

ग्रीष्मकालीन अवकाश गृहकार्य (2025-26)

कक्षा – 5

विषय -हिन्दी

प्रश्न:। विद्यार्थी अपनी समय सारणी दैनिक दिनचर्या के अनुसार बनाएं।

प्रश्न-2 क्यों, कहाँ, कब कैसे और क्या शब्दों का प्रयोग करते हुए दो- वो प्रश्न बनाइए।

प्रश्न3. सूखे पत्तों की सहायता से कोई भी दो चित्र बनाइए।

प्रश्न4. नीचे दिए गए वाक्यों में उचित विराम चिन्ह लगाइए :-

(क) कौन किसान पर झपटा

(ख) मुझे क्यों मारते हो

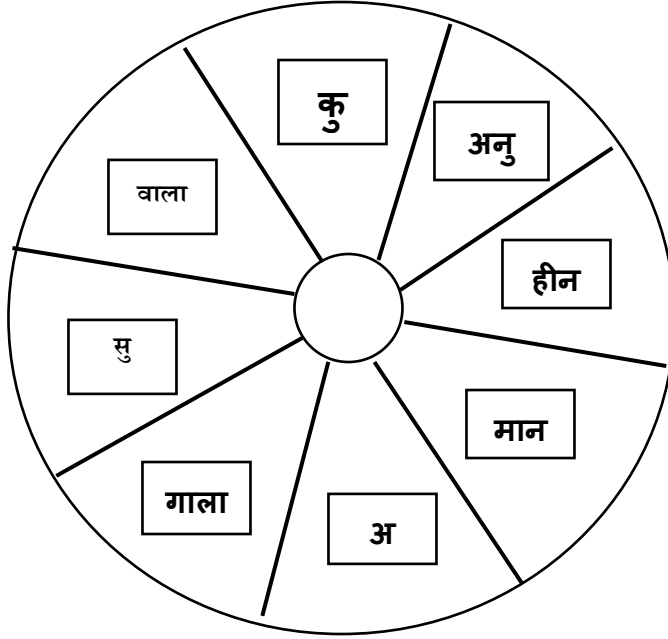
(ग) आप किसान होते तो क्या करते

(घ) भालू का सिर चकरा गया

(ङ) किसान ने अंत में क्या लगाया

प्रश्न5. नीचे दिए गए शब्दांशों वाले पहिए में से उचित शब्दांश को मूल शब्द के साथ जोड़कर नए शब्द बनाइए—

जैसे— सु + पुत्र = सुपुत्र तथा खिलाने + वाला = खिलौनेवाला



फिर नीचे प्रश्न दिए हैं:

(क) + सत्य = (ख) + सार =

(ग) दया + = (घ) फल + =

(ङ) शक्तिशाली + = (च) बल + =

(छ) + रूप = (ज) + योग्य =

KENDRIYA VIDYALAYA DRDO, BENGALURU
CLASS-5 MATHEMATICS
SUMMER VACATION HOLIDAY HOMEWORK 2025-26

(Note : Homework should be done in a Math holiday H/W Book)

I. Add & Subtract using Dienes block

- a) Add your birth date to the birth year.
- b) Subtract your birth year from the year of Independence.

II. Frame a Napier's table for the number 45

III. Count the letters in each word of the given sentence and frame a 5 digit number with those numbers

“MY FAVOURITE SUBJECT IS MATHS”

- a) Write the number
- b) Write the number name
- c) write the expanded form
- d) Add the digits of the number
- e) Frame a smallest number and greatest number with the digits
- f) Subtract the numbers you get in e) question

IV. Story Sums (Combine, Compare and Change)

- a) A bookstore has 2,456 books in stock. They receive a new shipment of 5,644 books. How many books does the bookstore have now?
- b) A water tank can hold 3,000 liters of water. If 1,562 liters of water are used , how much water is left in the tank?
- c) Shopkeeper A earned ₹12,560 and Shopkeeper B earned ₹10,470 on the same day. Who earned more and how much?

KENDRIYA VIDYALAYA DRDO, BENGALURU

CLASS-5 EVS

SUMMER VACATION HOLIDAY HOMEWORK 2025-26

1. Draw 3 objects made from opaque, translucent, or transparent materials. What would happen if you changed their material type? For example, what if a window was opaque?"

2. How do the things we use every day, like plastic, glass, and metal, affect the Earth, and what can we do to make less waste and keep our planet clean? Draw a picture to show how you can help the Earth!

3. Why do some objects float while others sink in water? What factors do you think affect whether something floats or sinks? Draw two objects — one that floats and one that sinks — and explain why they do!

4. How does the shadow of an object change as the sun moves? Draw the shadow at different times, like morning, noon, and afternoon, and show how it looks!

KENDRIYA VIDYALAYA DRDO
SUMMER BREAK HOLIDAY H.W -2025 -2026

CLASS- 6 SUB -ENGLISH

) Read the passage given below and answer the questions .

Mr. Bhatnagar - I'm an English teacher and have a big family, so I have a very busy daily routine. First I get up every day at six o'clock, get washed and dressed, leave for work by seven thirty. I reach school at eight o'clock. I prepare my lessons and then teach until noon. The other teachers and I always eat lunch and talk together in the teachers room. I teach again in the afternoon and then correct my students' homework and tests. After I get back home, I help my kids with homework. I have three kids in elementary school. Their names are Rahul, Rohan and Priyanka. Then I do some exercise, eat my dinner with my family and watch TV before I go to bed at about ten o'clock. We love to watch travel shows. Finally , I read books on bed before I fall asleep. Mrs.

Jyotsana - Well, I almost always get up early, at about five thirty. I get up early because I like to go jogging along the beach and watch the sunrise. Later after breakfast, I go to work. I work in a bank near my home. I don't drive to work. I take a bus, as it only takes about twenty minutes to go to work. After work, I like to go to my favourite bakery and buy some fresh bread. I get home between five o'clock and five thirty. My husband Michael usually makes dinner because he loves to cook. Infact, he is a chef in a restaurant. His hobby is growing flowers in our garden. We also have a pet dog called Wolfie. In the evenings we take Wolfie for a walk, and then get to bed by 09.30 p.m. Because we need to get up early again the next morning.

Answer the questions :

1. Write any five daily activities of Mr. Bhatnagar.
2. Write any five daily activities of Ms. Jyotsana
- . 3. Whose life style attracts you more and why?
4. According to you, who is leading a healthier lifestyle and why?
5. List at least one common thing that you feel is really positive in both the people?

6. Do you feel that being socially adjustable is a good quality? Give your opinion.

2) Read the story “ unlikely best friend” and write it’s summary .

3) Write a paragraph on the following topic (80 -100 words)

Your dream travel destination .

4) Write synonyms for the following words .

1) quick-

2) start-

3) huge-

4) scared

5) rich-

5) Write antonyms for the following words .

1) arrival ×

2) best ×

3) bitter ×

4) fear ×

5) artificial ×

6) Make a colourful poster with proper slogan .

TOPIC – CLEANLINESS IS GODLINESS

ग्रीष्मावकाश हेतु गृह कार्य

केंद्रीय विद्यालय डीआरडीओ (DRDO) बेंगलूर

सत्र - 2025-26

कक्षा :- छठी

1. पच्चीस (25) सुलेख सुंदर लिखावट में लिखिए।
2. पार्क का एक सुंदर चित्र बनाकर अपने शब्दों में विस्तृत वर्णन कीजिए।
3. एक चार्ट पर शब्दों और अंको में गिनती लिखिए।(1-100 तक)
4. दो कविता याद कीजिए और लिखिए।

केन्द्रिय विद्यालय डी आर् डी ओ , बेङ्गलूरु – 560093

(संस्कृतम्-WORK SHEET)

नाम /Name:

कक्षा विभाग: / Class & Section :

(Dear Students, take printout of all pages ,
write the Answers and submit the same , after the Holiday)

I.स्व-परिचयम् कारयतु (अपना परिचय करा दो)

1.भवतः / भवत्याः नाम किम् ?

(मम नाम अस्ति ।) (अपना नाम)

2. भवतः / भवत्याः पितुः नाम किम् ?

(मम पितुः नाम अस्ति ।) (पिताजी का नाम)

3. भवतः / भवत्याः मातुः नाम किम् ?

(मम मातुः नाम अस्ति ।) (माताजी का नाम)

4. भवान् / भवती कुत्र पठति ? (आप कहाँ पढ़ते हैं ?)

(अहं डी आर डी ओ पठामि ।) (विद्यालये)

5. त्वम् कस्यां कक्षायां पठसि ? (तुम कौनसी कक्षा में पढ़ते/ पढ़ती हो ?)

(अहं पठामि ।) (षष्ठ-कक्षायां)

6. भवतः / भवत्याः विद्यालयः कुत्र अस्ति ? (आप का विद्यालय कहाँ है ?)

(मम विद्यालयः अस्ति । (बेंगलूरु-नगरे)

7 . भवतः / भवत्याः प्रियः विषयः अस्ति ?

(मम प्रियः विषयः अस्ति । (गणितम् / विज्ञानम् / भाषाध्ययनम्)

8. भवान् / भवती भविष्ये किं भवितुम् इच्छति ? (आप भविष्य में क्या बनना चाहते / चाहती हो ?)

(अहं भविष्ये भवितुम् इच्छामि ।)

(वैद्यः =Doctor /अभियन्ता- Engineer / उद्यमी = Businessman / सैनिकः= Soldier

विमानवाहकः= Pilot / उत्तम- क्रीडकः= Sportsman / कृषकः= Farmer / शिक्षकः / शिक्षिका)

III. उदाहरणानुसारं पदानां वर्णविन्यासं कुरुत- (उदाहरण के अनुसार पदों का वर्ण विन्यास करो)

उदाहरणम् - १) गणेशः = ग् + अ + ण् + ए + श् + अः । २) स् + ऊ + र् + य् + अः = सूर्यः

1. अश्वः = अ + + + आ + :
2. पुस्तकम् = प् + उ + ... + + ... + क् + अ + म्
3. विद्यालयः = ... + इ + ... + ... + + ल् + अ + य् + अः
4. मयूरः = + अ + + ऊ + + अः
5. कोकिलः = क् + + क् + + ल् +
6. शिक्षकाः = + इ + क् + ... + अ + क् + ... + :
7. उद्यानम् = उ + + य् + + न् + + म्
8. परम्परा = प् + अ + + अ + + प् + + र् + ...
9. सूर्योदयः = स् + ऊ + + य् + + द् + अ + य् + अः
10. प्रतियोगिता = प् + र् + अ + + इ + + ओ + ग् + इ + त् + आ
11. बालकः = + + + + +
12. सीव्यति = स् + + + य् + + + इ

2) वर्णसंयोजनं कुरुत- (अक्षरों को जोड़कर सार्थक शब्द बनाओ)

1. क् + अ + म् + अ + ल् + अ + म् =
2. स् + औ : अ + क् + इ + च् + =
3. श् + उ + न् + अ + क् + औ =
4. म् + ऋ + ग् + अ + र् + आ + ज् + अः =
5. व् + ऋ + द् + ध् + आ + : =
6. द् + ई + प् + आ + व् + अ + ल् + इ + : =
7. श् + र् + ई + क् + ऋ + ष् + ण् + अः =
8. आ + म् + र् + अ + व् + ऋ + क् + ष् + अः =
9. प् + आ + ट् + अ + श् + आ + ल् + आ =
10. द् + ए + व् + आ + ल् + अ + य् + अः =

IV. चित्राणि दृष्ट्वा तेषां नामानि कोष्ठकात् चित्वा लिखत-(चित्रों को देखकर उन का नाम चुनकर लिखो)

छत्रम् , उपनेत्रम् , विद्युद्यजनम् , मक्षिका , कृषकः , फलम् , कुञ्चिका , सङ्गणकम् ,
उत्पीठिका , जवनिका , भल्लूकः , कपोतः , द्विचक्रिका , पिपीलिका , आम्रफलम् , बलीवर्दः
पर्णम् , क्रीडनकम् , सौचिकः , नारिकेलम् , मण्डूकः , तुला , दूरवाणी , नौका , मशकः



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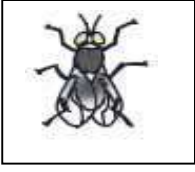
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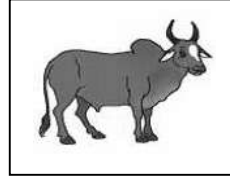
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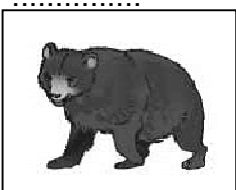
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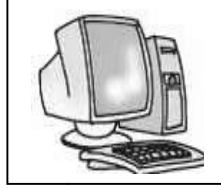
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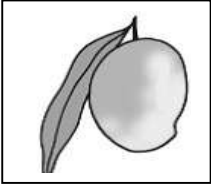
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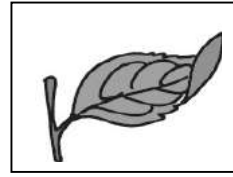
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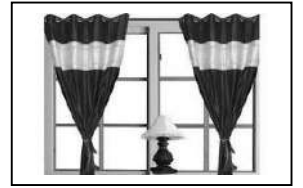
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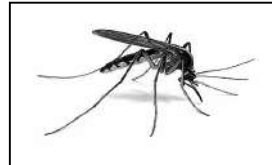
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V.अ-कारान्तः पुल्लिङ्गः (शब्दरूपाणि) -बालक शब्दः (उदाहरणम्)

विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्	कारक चिन्हम्
प्रथमा विभक्तिः	बालकः	बालकौ	बालकाः	(ने)
द्वितीया विभक्तिः	बालकम्	बालकौ	बालकान्	(को)
तृतीया विभक्तिः	बालकेन	बालकाभ्याम्	बालकैः	(से)
चतुर्थी विभक्तिः	बालकाय	बालकाभ्याम्	बालकेभ्यः	(के लिये)
पञ्चमी विभक्तिः	बालकात्	बालकाभ्याम्	बालकेभ्यः	(वजह से)
षष्ठी विभक्तिः	बालकस्य	बालकयोः	बालकानाम्	(का / के / की)
सप्तमी विभक्तिः	बालके	बालकयोः	बालकेषु	(में / पर)
सम्बोधना विभक्तिः	हे बालक !	हे बालकौ !	हे बालकाः !	(हे / अरे / रे)

VI. उदाहरणानुसारं पुल्लिङ्ग- पदानां विभक्ति-रूपाणि लिखत- (बालक शब्द के जैसे)

(उदाहरण के अनुसार पुल्लिङ्ग शब्दों का विभक्ति-रूप लिखो)

मूलरूपम्	विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्
चषक	प्रथमा विभक्तिः	चषकः	चषकौ	चषकाः
बलीवर्द	“	बलीवर्दः	.....	.....
मृग	“	.....	मृगौ	.....
मयूर	“	.....	.....	.....
कृषक	द्वितीया विभक्तिः	कृषकम्	कृषकौ	कृषकान्
शुनक	“	.....	शुनकौ	.....
गज	“	गजः	.....	.....
मण्डूक	“	.....	.....	.....
सूर्य	तृतीया विभक्तिः	सूर्येण	सूर्याभ्याम्	सूर्यैः
चन्द्र	“	.....	चन्द्राभ्याम्	.....
राम	“	रामेण	.....	.....
सौचिक	“	.....	.....	.....

VII. उदाहरणानुसारं स्त्रीलिङ्ग-पदानां विभक्ति-रूपाणि लिखत-

(उदाहरण के अनुसार स्त्रीलिङ्ग शब्दों का विभक्ति-रूप लिखो- बालिका शब्द के जैसे))

मूलरूपम्	विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्
बालिका	प्रथमा विभक्तिः	बालिका	बालिके	बालिकाः
अध्यापिका	“	.....	.....	.....
मक्षिका	“	.....	.....	.....
घटिका	द्वितीया विभक्तिः	घटिकाम्	घटिके	घटिकाः
माला	“	.....	माले	.....
लता	“	.....	लते	.....
शिक्षिका	तृतीया विभक्तिः	शिक्षिकया	शिक्षिकाभ्याम्	शिक्षिकाभिः
महिला	“	महिलया	.....	.....
नौका	“	.....	नौकाभ्याम्	.....
पेटिका	“	.....	.....	पेटिकाभिः

VIII. उदाहरणानुसारं नपुंसक-लिङ्ग-पदानां विभक्ति-रूपाणि लिखत-

(उदाहरण के अनुसार नपुंसक-लिङ्ग शब्दों का विभक्ति-रूप लिखो- फलम्-शब्द के जैसे)

मूलरूपम्	विभक्तिः	एकवचनम्	द्विवचनम्	बहुवचनम्
फल	प्रथमा विभक्तिः	खनित्रम्	खनित्रे	खनित्राणि
पुष्प	“	पुष्पम्	.....	.....
यान	“	.....	याने	.....
करवस्त्र	द्वितीया विभक्तिः	करवस्त्रम्	करवस्त्रे	करवस्त्राणि
पर्ण	“	.....	पर्णे	.....
नारिकेल	“	.....	नारिकेले	.....
उपनेत्र	तृतीया विभक्तिः	उपनेत्रेण	उपनेत्राभ्याम्	उपनेत्रैः
धन	“	.....	धनाभ्याम्	.....
पुस्तक	“	पुस्तकेन	.....	.....
क्रीडनक	“	.....	क्रीडनकेन	.....

IX. सर्वनाम पदानि

मूलशब्द	लिङ्गः	एकवचनम्	द्विवचनम्	बहुवचनम्
तत् (वह)	पुल्लिङ्गः	सः (बालकः)	तौ (बालकौ)	ते (बालकाः)
	स्त्रीलिङ्गः	सा	ते	ताः
	नपुंसकलिङ्गः	तत्	ते	तानि
एतत् (यह)	पुल्लिङ्गः	अषः	एतौ	एते
	स्त्रीलिङ्गः	एषा	एते	एताः
	नपुंसकलिङ्गः	एतत्	एते	एतानि
अस्मद् (मैं)	त्रिलिङ्ग - समानरूप	अहम्	आवाम्	वयम्
युष्मद् (तुम्)	त्रिलिङ्ग - समानरूप	त्वम्	युवाम्	यूयम्

उदाहरणानुसारं उचितं सर्वनामपदं योजयित्वा लिखत (उचित सर्वनाम पद जोडकर लिखो)-

सः , तौ , ते / सा , ते , ताः / तत् , ते , तानि

उदाहरणम्: (पु०) 1. बालकः पठति । = सः पठति / बालकौ पठतः । = तौ पठतः । / बालकाः = ते

(स्त्री०) 2. बालिका पठति । = सा पठति / बालिके पठतः । = ते पठतः । / बालिकाः = ताः

(नपुं०) 3. फलम् पतति । = तत् पतति । / फले पततः । = ते पततः । / फलानि = तानि पतन्ति

- | | |
|---------------------------------------|--|
| 1. अश्वः धावति । = <u>सः</u> धावति । | 2. अश्वाः धावन्ति । = <u>ते</u> धावन्ति । |
| 3. छात्रौ पठतः । = पठतः । | 4. वानराः कूर्दन्ति । = कूर्दन्ति । |
| 5. बालिका पठति । = <u>सा</u> पठन्ति । | 6. गायकाः गायन्ति । = गायन्ति । |
| 7. मयूरः नृत्यति । = नृत्यति । | 8. मयूराः नृत्यन्ति । = नृत्यन्ति । |
| 9. चटके कूजतः । = कूजतः । | 10. महिलाः पश्यन्ति । = पश्यन्ति । |
| 11. लता हसति । = हसति । | 12. पिपीलिकाः चलन्ति । = <u>ताः</u> चलन्ति । |
| 13. पुष्पं विकसति । = विकसति । | 14. कमलानि विकसन्ति । = विकसन्ति । |

X. उदाहरणानुसारं बहुवचनरूपं लिखत (निम्न-लिखित पदों का बहुवचन रूप लिखो) –

उदाहरणम् : (बालकः पठति = बालकाः पठन्ति / बालिका = बालिकाः / फलम् = फलानि)

- | | |
|------------------------------|-------------------------------|
| 1. अश्वः धावति । = । | 2. फलं पतति । = । |
| 3. छात्रः गच्छति । = । | 4. शिक्षकः पाठयति । = । |
| 5. कृषकः कर्षति । = । | 6. सिंहः गर्जति । = । |
| 7. पुष्पं विकसति । = । | 8. बालिका गायति । = । |
| 9. मयूरः नृत्यति । = । | 10. महिला हसति । = । |

XI. उचितं क्रियापदं चित्वा लिखत (उचित क्रियापद चुनकर लिखो)-

1. छात्राः विद्यालयं ।
2. गायिका ।
3. नदी ।
4. सिंहः उच्चैः ।
5. पुष्पम् ।
6. नौकाः जले ।
7. पक्षिणः ।
8. जले नौकाः ।
9. सौचिकः वस्त्रं ।
10. चित्रकारः चित्रं ।
11. बालकाः क्रीडाक्षेत्रे ।
12. जनाः प्रातः उद्याने ।
13. छात्राः कलमेन ।
14. वने मयूराः ।

खादन्ति , तरन्ति ,
उड्डयन्ति , रचयति ,
गायति , क्रीडन्ति ,
सीव्यति , लिखन्ति
वहति , गच्छन्ति
विहरतः , नृत्यन्ति
विकसति , भ्रमन्ति

XII. कोष्ठके दत्त-पदानां सयेन वाक्यानि रचयत- (कोष्ठक की सहायता से वाक्य बनाओ) -

1. ।
2. ।
3. ।
4. ।

बालकाः	दूरदर्शनं	आरोहति
वानरः	उद्याने	करोषि
वयम्	किम्	क्रीडन्ति
त्वम्	वृक्षम्	पश्यामः

बालिकाः	उच्चैः	पाठयति
अध्यापिका	मधुरं	पचति
माता	छात्रान्	गायन्ति
कुक्कुराः	भोजनं	बुक्कन्ति

1. ।
2. ।
3. ।
4. ।

1. ।
2. ।
3. ।
4. ।

मत्स्याः	उच्चैः	भक्षयति
सिंहः	बसयानं	गर्जति ।
मार्जारः	जले	चालयति
चालकः	मूषकं	तरन्ति

अध्यापकः	औषधं	सीव्यति
वैद्यः	वस्त्रं	कर्षति
सौचिकः	क्षेत्रं	पाठयति
कृषकः	पाठं	ददाति

1.
2.
3.
4.

XIII.क्रियापदानां रूपाणि लिखत- (कोष्ठक की सहायता से क्रियापदों का रूप लिखो) –

1. पठ्-धातु: (पढना= to Read) लट्-लकार: (वर्तमानकाल:)

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः पुरुषः	पठति	पठतः	पठन्ति
मध्यमः पुरुषः	पठसि	पठथः	पठथ
उत्तमः पुरुषः	पठामि	पठावः	पठामः

2. लिख्-धातु: (लिखना= to Write)

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः पुरुषः	लिखति	....	....
मध्यमः पुरुषः	....	लिखथः	....
उत्तमः पुरुषः	....	....	लिखामः

3. गम्-धातु: (जाना=to Go)

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः पुरुषः	गच्छति	.....	....
मध्यमः पुरुषः	....	.....	गच्छथ
उत्तमः पुरुषः	....	गच्छावः	....

4. क्रीड्-धातु: (खेलना = to Play)

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः पुरुषः	क्रीडति	....	....
मध्यमः पुरुषः	....	....	क्रीडथ
उत्तमः पुरुषः	.....	क्रीडावः	....

XIV. पदानां लिङ्गपरिवर्तनं कुरुत (उदाहरण के अनुसार शब्दों का लिंग बदलो)

	पुल्लिङ्गः	स्त्रीलिङ्गः
1	बालकः	बालिका
2	अध्यापकः	....
3	....	शिक्षिका
4	छात्रः	....
5	....	सिंही
6	पुरुषः	....
7	....	वानरी
8	अजः	....
9	....	मयूरी
10	वृद्धः	....

	पुल्लिङ्गः	स्त्रीलिङ्गः
11	शिक्षकः	शिक्षिका
12	कृषकः	कृषिका
13		श्रमिका
14	कुमारः	
15		मकरी
16	सेवकः	
17		मूषिका
18		भ्रमरी
19		मार्जारी
20	पिपीलिकः	

XV. मञ्जूषातः उचितं तत्समपदं चित्वा लिखत -

चञ्चुः , कपोतः , काकः , बकः , मक्षिका , नासिका , घटः , घटी , शृगालः , वानरः

- सियार (Fox) =
- कौआ (Crow) =
- नाक (Nose) =
- चोंच (beak) =
- बगुला (Crane) =
- मक्खी (Housefly) =
- बन्दर (Monkey =
- घडी (Clock) =
- घडा (Pot) =
- कबूतर (Pegion) =

KV DRDO BANGALORE -93

HOLIDAY HOME WORK

CLASS -6 MATHS

SECTION -A -NUMBERS

1) Write in expanded form :

(a) 74836

(b) 574021

2) As per the census of 2001, the population of four states are given below. Arrange the states in ascending and descending order of their population.

(a) Maharashtra 96878627

(b) Andhra Pradesh 76210007

(c) Bihar 82998509

(d) Uttar Pradesh 166197921

3) The diameter of Jupiter is 142800000 metres. Insert commas suitably and write the diameter according to International AND Indian place value chart.

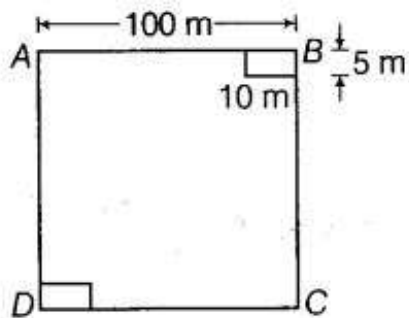
4) In a city, polio drops were given to 2,12,583 children on Sunday in March 2008 and to 2,16,813 children in the next month. Find the difference of the number of children getting polio drops in the two months.

5) A mobile number consists of ten digits. First four digits are 9,9, 7 and 9. Make the smallest mobile number by using only one digit twice from 8, 3, 5, 6, 0.

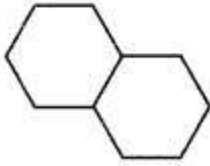
6) A box contains 50 packets of biscuits each weighing 120 g. How many such boxes can be loaded in a van which cannot carry beyond 900 kg?

SECTION-B- PERIMETER AND AREA

1) A square shaped park ABCD of side 100 m has two equal rectangular flower beds each of size $10\text{ m} \times 5\text{ m}$ (see figure). Find the length of the boundary of the remaining part



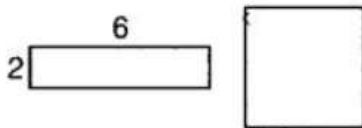
2) Two regular hexagons of perimeter 30 cm each are joined as shown in figure. The perimeter of the new figure is



3) Match the following :

Shapes		Perimeter	
A.	 Rectangle	(i)	10
B.	 Square	(ii)	18
C.	 Equilateral triangle	(iii)	20
D.	 Isosceles triangle	(iv)	25

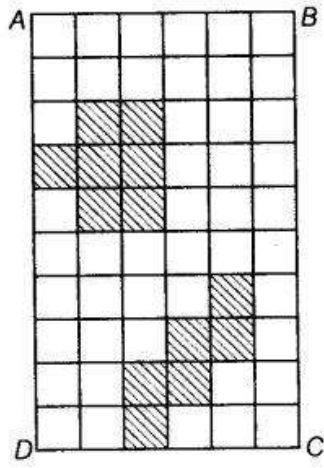
4) A rectangle and a square have the same perimeter (see figure).



(a) The area of the rectangle is ____.

(b) The area of the square is ____

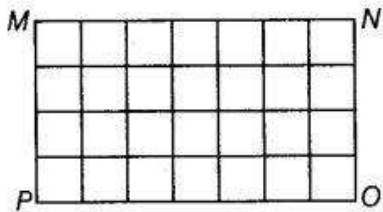
5) In the given figure each square is of unit length



(a) What is the area of the shaded part ?

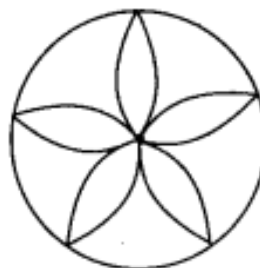
(b) What is the area of the rectangle ABCD ?

6) Rectangular wall MNOP of a kitchen is covered with square tiles of 15 cm length (see figure). Find the area of the wall.

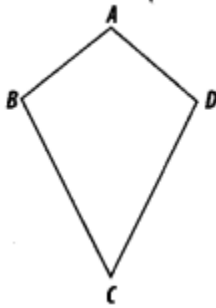


SECTION-C- SYMMETRY

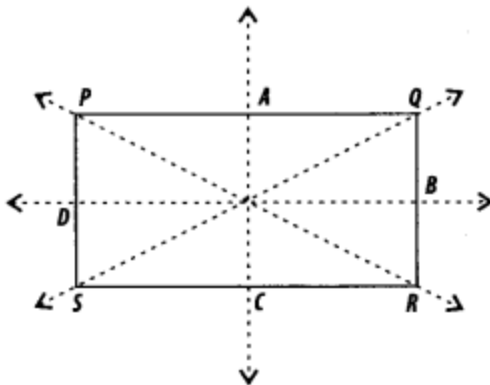
1) The number of lines of symmetry in the given figure is ____.



2) Is there any line of symmetry in the given figure? If yes, draw all the lines of symmetry.



3) In the given figure PQRS is a rectangle. State which are the lines of symmetry of the rectangle.



4) Write all the capital letters of the English alphabets which have more than one lines of symmetry.

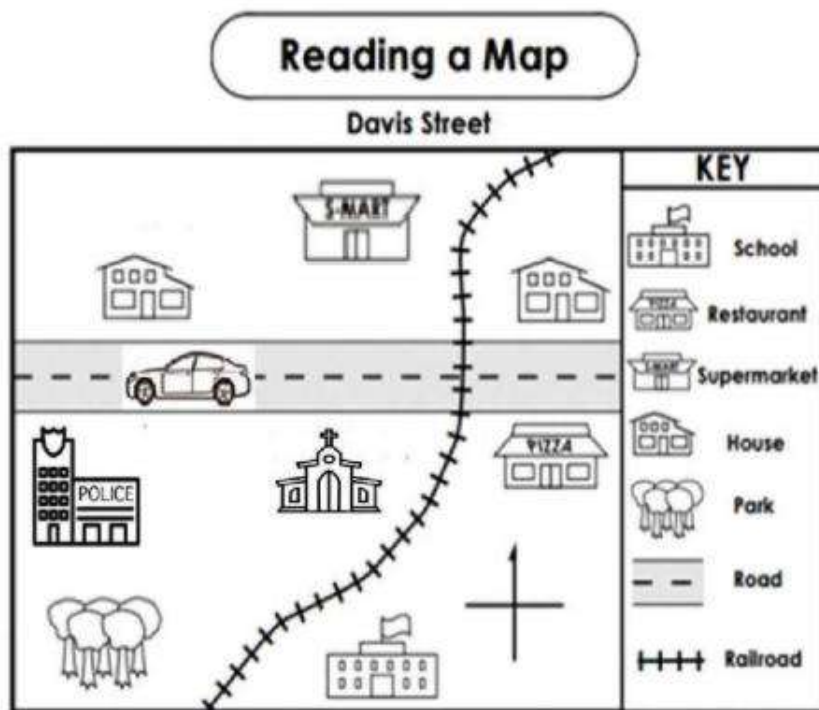
5) Open your geometry box. There are some drawing tools. Observe them and complete the following table:

Name of the tool		Number of lines of symmetry
(i)	The Ruler	—
(ii)	The Divider	—
(iii)	The Compass	—
(iv)	The Protractor	—
(v)	Triangular piece with two equal sides	—
(vi)	Triangular piece with unequal sides	—

- 6) Look into the nature and draw 2 symmetrical figures and colour them . also draw their line of symmetry.

SECTION-D- MAP READING

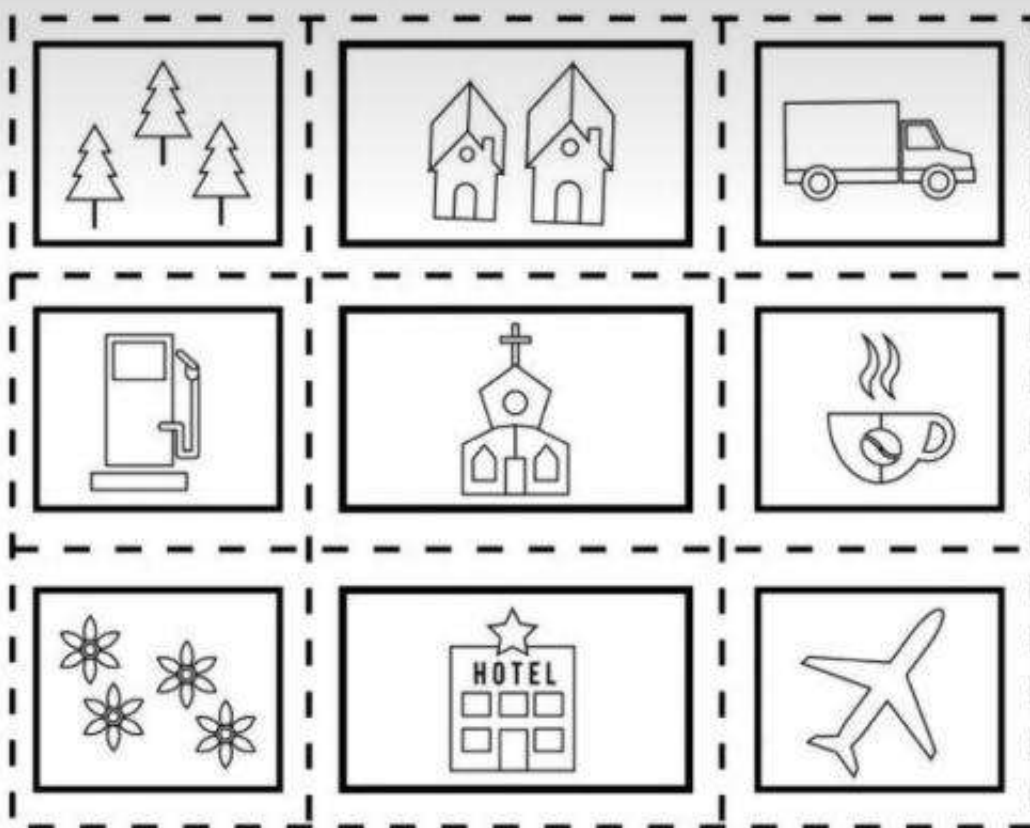
1)



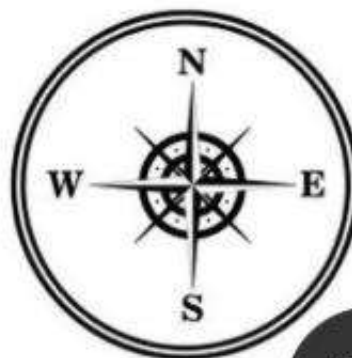
Write North, South, East and West to complete each sentence

1. Label the compass rose on the map (N, W, E, S)
2. The School is _____ of the Supermarket.
3. The Police Station is _____ of the Pizza Restaurant. .
4. The Supermarket is _____ of the school.
5. The Pizza Restaurant is _____ of the Police Station.

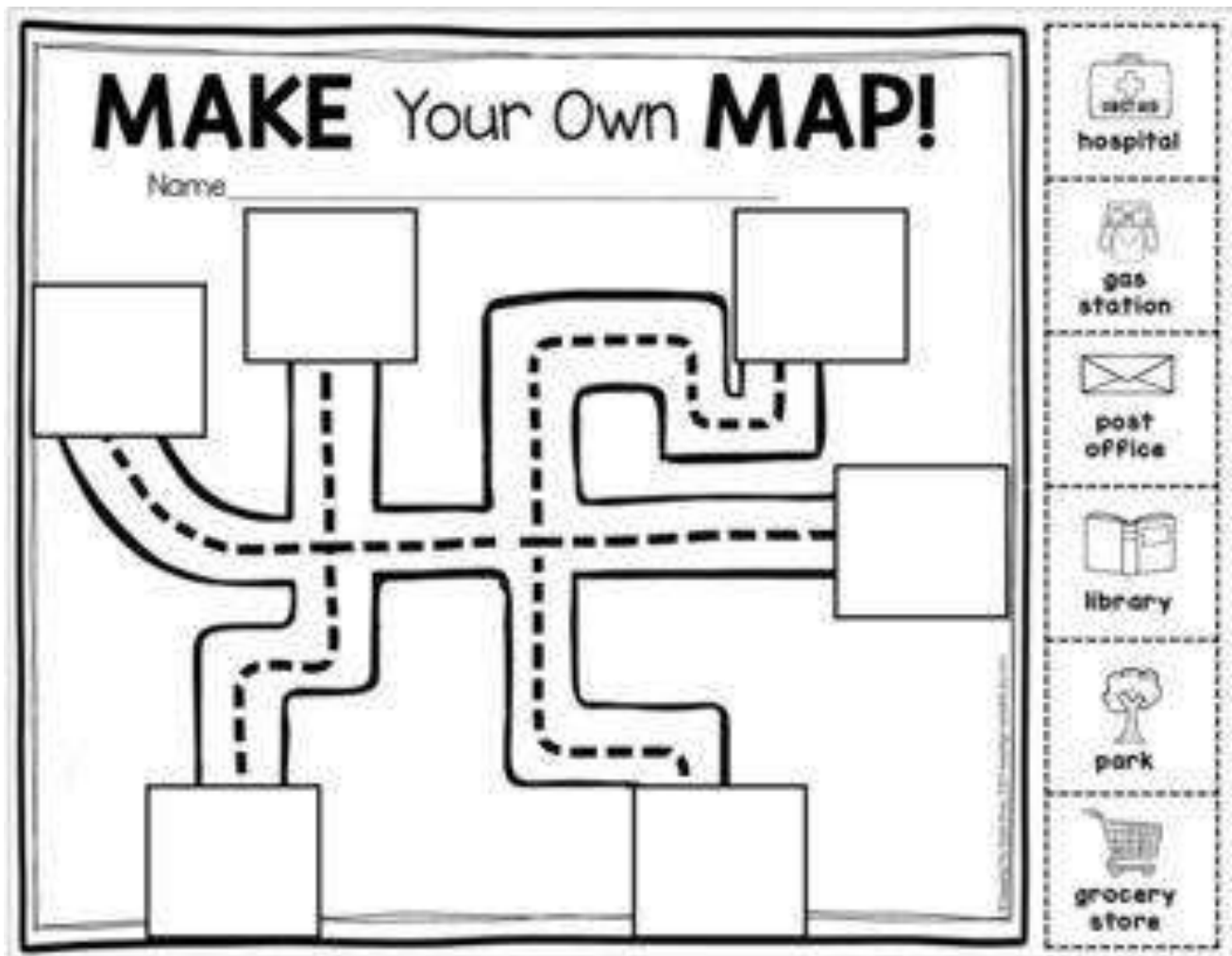
Map Skills



1. Color the box **NORTH** of the  **GREEN.**
2. Color the box **WEST** of the  **PURPLE.**
3. Color the box **SOUTH** of the  **ORANGE.**
4. Color the box **EAST** of the  **PINK.**
5. Color the box **WEST** of the  **BROWN.**
6. Color the box **SOUTH** of the  **RED.**



3)



4) Make a map of your neighbourhood and colour it.

SECTION-E-PUZZLES

1)

Find me: Who am I?

- I am a 2-digit number.
- The sum of my digits is 10.
- I am greater than 8 but less than 30
- What number am I?

The crossword puzzle grid contains the following numbers and symbols:

- Across:**
 - Top right: $\square + 2 = 19$
 - Middle left: $21 + \square = 24$
 - Middle: $\square - 4 = 8$
 - Bottom left: $6 \times 4 = \square$
 - Bottom right: $\square - 18 = 5$
- Down:**
 - Top right: $\square + \square = 21$
 - Middle left: $\square = 3$
 - Middle: $15 - \square = \square$
 - Bottom right: $\square = 8$
- Other numbers and symbols:**
 - Top center: $13 = \square$
 - Middle left: $1 = \square$
 - Middle left: $\square - 17 = \square$
 - Middle left: $\square = \square$
 - Middle right: $6 + 7 = \square$
 - Middle right: $\square = \square$
 - Bottom center: $\square + \square = 25$

KENDRIYA VIDYALAYA DRDO

HOLIDAY HOME WORK

CLASS VI

SCIENCE

- Q1. “PREPARE A HERBARIUM” Collect the leaves of any ten plants, dry them in the folds of a news paper, paste them in a scrap file and also write names of the plants, they belong to.
- Q2. Write down 10 animals each falling in the category of herbivores, Carnivores and Omnivores animals and past their pictures along with their names and categories.
- Q3. Draw a neat and well-labelled diagram showing the stages of the water cycle.
- Q4. Perform a activity of making sprouts at your home moong or chana and write down the complete procedure in your notebook.
- Q5. Read and find out 10 new words each and their meanings (you can used dictionary, but not GOOGLE) of the following chapters:
1. The wonderful world of science
 2. Diversity in the living world

Summer Vacation Homework – Social Science (Class 6)

Instructions:

- Make a separate holiday homework notebook.
- Do all activities neatly in your notebook.
- Use maps, pictures, and colors to make it more attractive.
- Submit the work after the vacation.

1. Creative Map Task:

Draw an outline map of India and mark the following:

- Capital of India
- Any two rivers from the north and south
- A mountain range in the north

2. Look at the picture and answer the following:



- A. What type of landform is this?
 - B. Name any two mountain ranges in India.
 - C. What kind of plants and animals live in the mountains?
- (Paste the picture or draw your own mountain scenery)

3. Comparison Table:

Make a table comparing urban and rural life under the following heads:

- Occupation
- Transportation
- Housing
- Lifestyle

4. Poster Making:

Make a poster on 'Save Our Earth' using slogans and pictures related to saving water, trees and animals.

5. Look at the picture and answer the following:



- A. Name the monument shown in the picture .
 - B. Who built this monument?
 - C. When was it built?
 - D. What does it show or tell us ?
6. Interview Time:
Talk to your parents or grandparents and ask them how education was different during their time. Write 5 key differences.
7. Fun Quiz:
Make a small quiz of 5 questions based on Chapter 2 of your textbook. Ask your family members to answer.
8. Draw a rough map of your locality or your village, including your home, school and a few other landmarks.
9. Prepare a family tree.
10. The Earth is round like a sphere. To locate places on it, we use imaginary lines called latitudes and longitudes. Latitudes are horizontal lines, and the most important one is the Equator. Longitudes are vertical lines, and the Prime Meridian is the main longitude. These lines help us to find the exact location of any place on the globe. The globe is a small model of the Earth, and it helps us understand the shape, size, and position of continents and oceans.
- A . What is the shape of the Earth?
 - B. What are latitudes and longitudes?
 - C. Name the most important latitude.
 - D. What is the Prime Meridian?

E. How does the globe help us?

KENDRIYA VIDYALAYA DRDO
C.V RAMAN NAGAR BENGALURU-560093

SUMMER VACATION HOMEWORK

MATHEMATICS

CLASS 7

MULTIPLE CHOICE QUESTIONS

1. The perimeter of a square is 36 cm. What is the length of one side?

- A. 6 cm
- B. 9 cm
- C. 12 cm
- D. 18 cm

2. What is the next number in the pattern: 2, 4, 8, 16, ___?

- A. 18
- B. 24
- C. 32
- D. 20

3. Solve: $3x + 4 = 13$. What is the value of x ?

- A. 2
- B. 3
- C. 4
- D. 5

4. Which of the following is equal to 0.75?

- A. $\frac{1}{2}$
- B. $\frac{3}{4}$
- C. $\frac{2}{5}$
- D. $\frac{4}{5}$

5. What is the area of a rectangle with length 8 cm and width 5 cm?

- A. 13 cm^2
- B. 40 cm^2
- C. 20 cm^2
- D. 30 cm^2

6. The sum of the angles in a triangle is:

- A. 180°
- B. 360°



- C. 90°
 - D. 270°
-

7. What is 15% of 200?

- A. 30
 - B. 25
 - C. 35
 - D. 40
-

8. Which of the following numbers is a prime number?

- A. 21
 - B. 33
 - C. 17
 - D. 15
-

9. What is the sum of 452 and 389?

- A. 831
- B. 841
- C. 741
- D. 751

10. Subtract: $1000 - 478 = ?$

- A. 522
- B. 532
- C. 542
- D. 552

11. Multiply: $34 \times 6 = ?$

- A. 184
- B. 204
- C. 214
- D. 224

12. Divide: $144 \div 12 = ?$

- A. 11
- B. 12
- C. 13
- D. 14



13.What is the result of $729 + 163 - 92$?

- A. 800
- B. 790
- C. 880
- D. 900

LONG ANSWER QUESTIONS

14.Rani wants to put a fence around her rectangular garden which is 12 meters long and 8 meters wide. What is the total length of fencing she needs?

15.A square floor is to be tiled. Each side of the floor is 6 meters long. What is the total area that needs tiling?

16.A farmer has a rectangular plot of land that is 20 meters long and 10 meters wide. He wants to grow grass in the whole plot. How much area will be covered with grass?

17.A wire is to be placed around a square board whose each side is 9 cm. What will be the length of the wire required?

18.Riya ate $\frac{2}{5}$ of a pizza and her brother ate $\frac{1}{5}$ of it. How much of the pizza did they eat together?

19.A water tank is filled up to $\frac{3}{4}$ of its capacity. If the tank can hold 200 liters of water when full, how much water is in the tank now?

20.Sanya spent $\frac{2}{3}$ of an hour doing her homework and $\frac{1}{6}$ of an hour reading. How much time did she spend in total?

21.A chocolate bar is divided into 12 equal pieces. If Rohan ate 3 pieces and his friend ate 5 pieces, what fraction of the chocolate bar did they eat together?

22.A farmer uses $\frac{5}{8}$ of his land to grow wheat and the rest for vegetables. What fraction of his land is used for vegetables?

23.Aarav has 135 marbles. He buys 78 more marbles from a shop. How many marbles does he have now?

24.A school bought 12 boxes of pencils. Each box contains 24 pencils. How many pencils did the school buy in total?

25.Neha had Rs. 500. She spent Rs. 275 on books and Rs. 120 on a school bag. How



much money is left with her?

26. A large water bottle contains 5 liters of water. If 4 such bottles are filled, how much water is there in total?

27. A total of 360 students are to be seated equally in 12 classrooms. How many students will be in each classroom?

28. Puzzle: The Missing Ages

Rita and her brother's ages add up to 30. Rita is 4 years older than her brother. How old are they?

29. Puzzle: Sharing Chocolates

Maya had 48 chocolates. She gave $\frac{1}{4}$ of them to her friend, then ate 10 herself. How many are left?

30. Puzzle: Magic Multiplication

I am thinking of a number. I multiply it by 5, then add 8. The result is 43. What is my number?

Top of Form

Bottom of Form
PP

31. Puzzle: The Farmer's Animal

A farmer has chickens and cows. There are 18 heads and 50 legs in total. How many chickens and how many cows does he have?

32. Puzzle: Equal Sharing

Four friends collected 96 stamps together. If they shared them equally, how many stamps did each get?

33. Guess the right answer

1. A polygon with four equal sides and four right angles. (6 letters)
2. The answer to a subtraction problem. (8 letters)
3. A number that divides another exactly. (6 letters)
4. A part of a whole, written with a numerator and denominator. (8 letters)
5. A number multiplied by itself gives this. (6 letters)
6. The distance around a shape. (9 letters)
7. The answer to a multiplication problem. (7 letters)



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8.A number with no factors other than 1 and itself. (5 letters)

34.Crossword :Solve the following crossword by filling the missing numbers

12	+		=	36					
		÷		÷				+	
	-		=	4				23	
x		=		=		÷		=	
		6			x	5	=		
=						=			
56		20	-		=	11		3	
		+		x				x	
84	÷		=					13	
		=		=				=	
				63	-		=		

ENJOY YOUR HOLIDAYS

CLASS VII



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HOLIDAY HOMEWORK SOCIAL SCIENCE

INSTRUCTIONS COMPLETE EACH ACTIVITY IN THE
SEPARATE NOTEBOOK

FOR HOLIDAY HOMEWORK

Skill Based:

1. Write a short speech or paragraph (10–12 lines) imagining you are a village leader.
 - What 3 problems would you solve in your village or area?
 - What changes would you bring for children and the environment?
2. Make a colourful poster showing how different people in India live together.
 - Include variety in clothing, food, languages, festivals, etc.
3. My Travel Map
 - Choose any two places you've visited or would like to visit in India.
 - On a map of India, mark these places and write:
 - Their state name.
 - A major landform (e.g., mountain, river, desert)
 - One climate feature.



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MODULE 6

DAY -6

REVISION TEST

→ **CHOOSE THE CORRECT ANSWER:**

Q.1 Who coined the phrase 'Unity in diversity' to describe the country?

- (a) Pt. Jawaharlal Nehru
- (b) Mahatma Gandhi
- (c) Indira Gandhi
- (d) Rajeev Gandhi

Q.2 Who composed our National Anthem?

- (a) Pt. Jawaharlal Nehru
- (b) Lai Bahadur Shastri
- (c) Rabindranath Tagore
- (d) Atal Bihari Vajpayee

Q.3 Our National Animal is?

- (a) Lion
- (b) Tiger
- (c) Elephant
- (d) Camel

Q.4 Who are historians?

- (a) Who study past
- (b) Who study present
- (c) Who study future
- (d) None of these

Q.5 Which is the largest continent?

- (a) Asia
- (b) Africa
- (c) Australia
- (d) None of these

→ **ANSWER THE FOLLOWING QUESTIONS:**

Q.6 Name some festivals that we celebrate in school.

Q.7 Why did early man make cave paintings?


Q.8 Name the continents of the world.

Q.9 What are the qualities of a good citizen?

Q.10 How are forests useful ?



MODULE 7

	<p><u>ASSESSMENT</u></p>	<p>❖ <u>WORKSHEET:</u></p> <p>Q1. Which is the highest peak in the world?</p> <p>Q2. Name three rivers that rise from the Himalayas.</p> <p>Q-3. Fill in the blanks:</p> <p>1. India has been divided into ____ states and ____ Union Territories.</p> <p>2. Sri Lanka is separated from India by the _____. _____.</p> <p>Q-4. Give one word:</p> <ul style="list-style-type: none">• A triangular deposition of sediments.• Land surrounded on three sides by a water body.• The average weather condition of a place over a long period of time. <p>Q-5 Activity:</p> <p>Suppose you and your parents are going on a vacation to a place of your choice in India. Write a diary entry in about 150 words describing the places and things you want to see there.</p>
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MODULE 8



ASSESSMENT

❖ **WORKSHEET:**

Q.1.Prepare a comparative chart on a smart city and a crowded city.

Q. 2.State True or False:

- Garbage attracts dogs, rats and flies. (T/F)
- The present government wants to turn all cities into Smart cities (T/F)

Q.3. List out four different tasks that the municipality does.

Q.4. Do municipal corporations have a lot of workers?

Q.5. Fill in the blanks:

- A city is much larger and bigger than a _____.
- _____ decides where a park should be built.
- A Ward Councilor is a _____ representative.
- The Chief Executive & Administrator of the Municipal Corporation is called _____.



Module 9

ASSESSMENT

❖ WORKSHEET:

Q.1.MCQ Questions-

1. Environment meaning-
a) Plants b) Natural c) Family d) Neighborhood
2. Which special day is celebrated on 5th June?
a)Earth environment day b)Water environment day
c)World environment day d)Air environment day
3. Which of the following is the human environment?
a) Rivers b) Land c) Community d) Both a & b

Q.2. Identify the following figure.



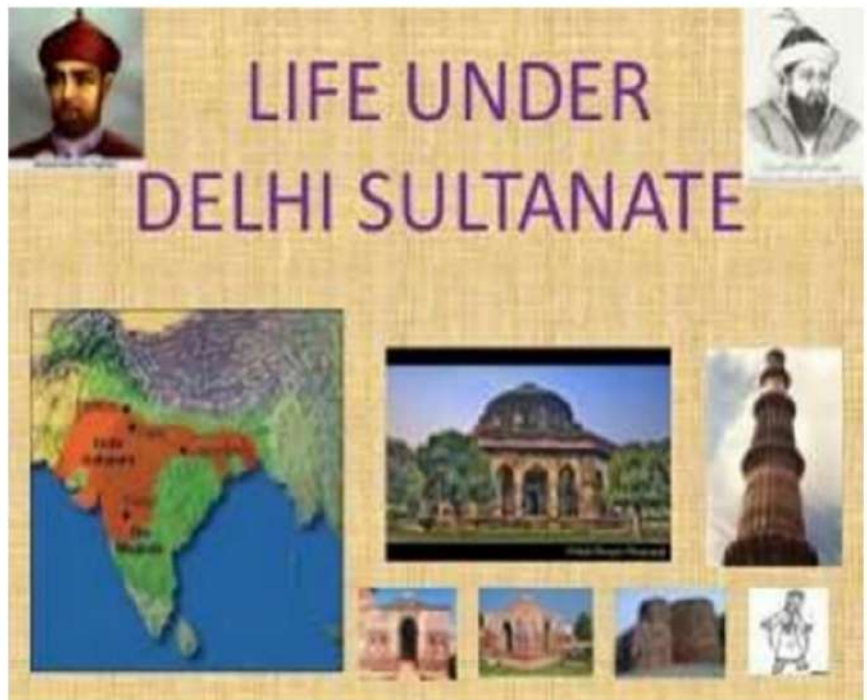
- | | |
|---------------------|--------------------|
| a) Camel eco system | b) River ecosystem |
| c) Desert ecosystem | d) Soil ecosystem |



Module 10

CONTENT

- Finding out about the Delhi sultans.
- Expansion of the Delhi sultanate.
- Administration under Khilji and Tughlaqs.
- The sultanate in the 15th and 16th century.



ग्रीष्मकालीन अवकाश गृहकार्य
कक्षा - सातवीं 2025-26
विषय - हिंदी



1. 20 पृष्ठ सुलेख लिखिए ।

2. निम्नलिखित शब्दों के तीन तीन पर्यायवाची शब्द लिखिए ।

१. सागर
२. नदी
३. पृथ्वी
४. फूल
५. माता
६. पानी
७. आकाश
८. वायु
९. चंद्रमा
१०. सूर्य

3. निम्नलिखित विषयों पर अनुच्छेद लिखिए ।

(क) मेरी माँ

(ख) मेरी प्रिय पुस्तक

4. नैतिक मूल्यों पर आधारित दो कहानियां लिखिए।

5. १ से १०० तक अंकों और शब्दों में गिनती लिखिए।

6. कोई 15 मुहावरे लिखें और वाक्य में प्रयोग करके अर्थ स्पष्ट करें।

नोट – गृहकार्य के लिए अलग से पतली कॉपी बनाएं।

KENDRIYA VIDYALAYA DRDO

HOLIDAY HOMEWORK (summer break)

CLASS -VII SCIENCE



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1. Write about the special of any two animals that live in polar regions and desert regions. Draw or paste their pictures. (Do in HHW notebook)
2. Write the name of any one famous dish of any five states of India and mention their ingredients. Write the festival importance of each dish. .(Do in HHW notebook)
3. Make a collage using pictures of products we get from forests (like rubber, honey, timber).(Do in A4 sheet and paste in Scrap book.)
4. Write five examples of each reversible and irreversible change. .(Do in HHW notebook)
5. Collect two leaves of each leaf venation (reticulate and parallel), Dry them and paste in a scrapbook.
6. Paste the picture of the following diseases and write about the symptoms and the deficient nutrient. (Do in Scrapbook)
 - a) Scurvy
 - b) Rickets
 - c) Goiter
 - d) Beri-Beri
 - e) Marasmus
7. Test household items (like lemon, soap water, vinegar, baking soda) using turmeric as an indicator and write your observation (any change in colour after adding turmeric) in a table. (Take the picture when you are doing the activity and paste in your HHW notebook).
8. Solve the following *Riddles*. . (Do in HHW notebook)

a) I'm not a hat, but I cover your head, Without me, you'd surely dread. I keep your brain safe all day and night, Guess my name – I'm hard and white!	b) I run down your back, I help you stand, I'm made of bones stacked hand in hand. I protect the nerves, that's my goal, Guess who I am, I play a big role!
c) I stretch from shoulder to your elbow, Strong and long, I help you throw. I'm one big bone that makes your upper arm, Name me quick, I mean no harm!	d) I form a cage but I'm not for birds, I guard your heart without using words. I'm made of bones that bend and sway, Name me, quick, without delay!
e) I'm the longest bone in you, I help you walk, run, and jump too. Found in your thigh, strong and tough, Guess my name, it's not that rough!	



KENDRIYA VIDYALAYA DRDO

SUMMER BREAK HOLIDAY HOME WORK 2025-

26

CLASS -7

SUBJECT – ENGLISH

1. Read the following passage

Food can maintain and save life. It can destroy life as well. Proper food serves as medicines. Improper food works as poison. A little care about the quality and quantity of food will keep us healthy and happy. If we go about eating all sorts of things, we shall become sick. We take pride in calling ourselves civilized. Being sensible means to know the difference between good and bad, right and wrong. It will not do to become slaves to our tongue or taste. Even cattle, birds and beasts eat only what is best for their body. We mostly eat processed food and refined sugar. We pay heavily for junk food, for Chinese dishes or deep-fried snacks. As a result, we catch diseases. We have drifted away from mother nature. We laugh at the rules of hygiene, healthy diet and the advice of our elders. This has given rise to diabetes. We offer chocolates, cakes and ice-creams too often to our children. We also attend parties or dine out every day. This way we invite obesity and diabetes.

Choose the correct option

a. The functions of food is to

i. destroy life ii. Maintain life iii. save life iv. Maintain or save life

b. 'Improper food' means

i. processed food ii. junk food iii. refined sugar iv. All of these

c. 'Civilized life' implies that

i. cultured life ii. Balanced life iii. disciplined life iv. Blissful life

d.. "We have drifted away from nature" means

i. to move slowly ii. Scattered iii. shuffle iv. Flounde

On the basis of the reading of the passage complete the following sentences

e. Modern lifestyle and food habits invite

.....

f. Being sensible means.....

Answer the following questions.



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g. How can we keep ourselves happy?

h. What do we offer to our children?

Read the story "Animals, birds and Dr. Dolittle and write its summary .

Choose correct words from the story " Animals, birds and Dr. Dolittle" to complete the following table .

noun	adjective	adverb	preposition	conjunction

Write down any five adjective with its comparative and superlative degrees.

Write a paragraph on the topic "INTERNATIONAL YOGA DAY " (100-120 Words).

Create a visually appealing poster on the theme " SAVE FOREST , SAVE EARTH ".



CLASS 8 MATHEMATICS– SUMMER BREAK HOLIDAY HOMEWORK

Solve the puzzle given below:-

🌱 + 🌺 = 🦋

 -  = 

 -  = 

 +  -  = 

Then solve these:

 +  -  = ?

 -  = ?

 +  -  = ?

 -  = ?

🌱 + 🌺 - 🌱 = ?

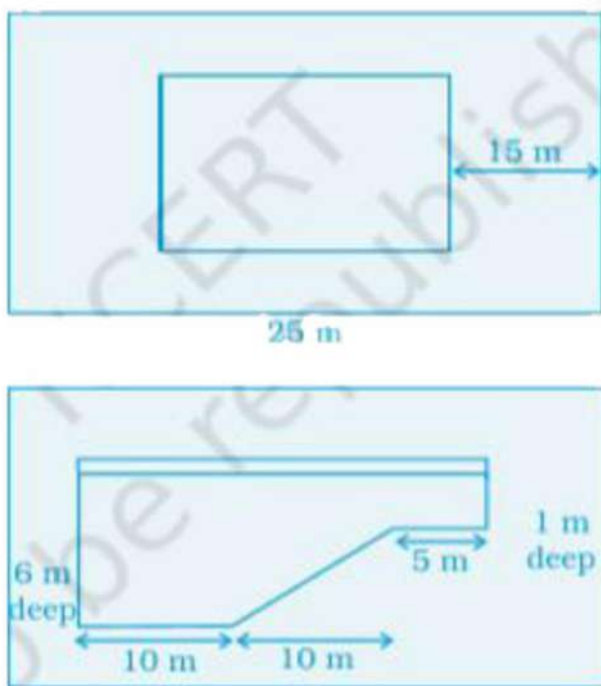
Solve the crossword puzzle:-

12	+		=	36					
			÷		÷				+
	-		=	4					23
x		=		=		÷		=	
		6			x	5	=		
=						=			
56		20	-		=	11			3
		+		x					x
84	÷		=						13
		=		=					=
				63	-		=		

Write each example for a 3 digit palindrome, a 4 digit palindrome and a 5 digit palindrome

Paste pictures of any 3 objects from nature showing Fibonacci series.

5. Rashid has decided to build a swimming pool as shown in the figure on an empty plot 25 metres long and 15 metres wide. He is discussing with his son Majid about his plan to build the pool, put tiles on the bottom of the pool and other requirements of the pool. Can you help Majid to answer the following questions which his father has asked in the discussion?



What is the surface area of the pool?

6. **Number patterns and decoding rules:-**
- What rule governs the following number pattern: 2, 4, 8, 16, ...?
 - Identify the pattern in the following sequence: 3, 6, 9, 12, ... and write the next four numbers in the pattern.
 - What is the next number in the sequence: 1, 4, 9, 16, ...?
 - What pattern is used to construct the following series: 1, 2, 3, 5, 8, 13, ...? Write the next three terms.

7. What is the value of $x^2 + y^2 - 10$ at $x = 2$ and $y = -1$?

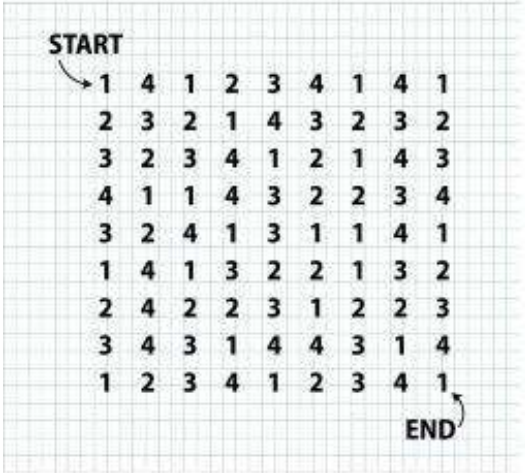
8. Collect the data from reliable sources regarding the temperature of Bengaluru city in the month of May for the last 5 years. Represent the data as a pictograph, bar graph and line graph.

9. A fractal is a shape or pattern that repeats itself no matter how much you zoom into it.
- Make a colourful Sierpinski triangle.
 - Make a colourful Koch Snowflake.

10. Plot the values of each exponent of numbers, such as, 2, 3, 4 on a graph paper. Plot exponents (0, 1, 2, 3, etc.) on the horizontal axis and the corresponding values 2^n , 3^n , 4^n etc., on the vertical axis. (Do all three in the same graph)

	Exponent 0	Exponent 1	Exponent 2	Exponent 3	Exponent 4	Exponent 5	Exponent 6	Exponent 7
Power of 2	1	2	4	8	16	32	64	128
Power of 3	1	3	9	27	81	243	729	2187
Power of 4	1	4	16	64	256	1024	4096	16384

Exponent

11.	<p>Solve the puzzle:-</p> <p>This is a zigzag puzzle with numbers 1, 2, 3 and 4. Your objective is to navigate through the grid, starting from the number 1 in the top-left corner. You must follow the numbers in sequential order, ensuring that each number is visited exactly once. The path can move in horizontal, vertical, or diagonal directions but cannot cross itself.</p> 
12.	<p>a) If $756x$ is divisible by 11, where x is a digit find the value of x.</p> <p>b) If $2A7 \div A = 33$, then find the value of A.</p>

Q1 Read the following passage and answer the following questions

PRESERVE THE TREE OF LIFE

I have spent all my life in a place that nestles in the lap of the eastern Himalayas in north Bengal. The eastern Himalayas are a very important biodiversity hotspot and extremely rich in its diversity of flora and fauna. The lives and the cultures of people are traditionally rooted in nature because of that and I have been lucky to be a part to that. My recent move to Delhi replaced the green forests of Darjeeling to the concrete jungles of city.

In front of my house is a fairly large tree. This tree is what helps me maintain my sanity! Everyday, I watch the tree and the life it supports. I have found that it is alive, vibrant and totally rejuvenating. The tree is home to a variety of birds, insects and animals, all so intricately connected with the world of tree. Interestingly, the tree is a friend of cattle too, as a cowshed is situated next to it. The cows lie under the cool of the tree and birds come and peck their body keeping them free of all parasites. And there are two squirrels merrily running up and down the tree. two pairs of

The tree is also a garbage collection point. In case of spills, the dogs clean up the food waste and the remaining is taken care of by birds and insects. Inspired by the tree, I thought I too should invite birds to my little home. My friend and I have placed an earthen pot with cool water and rice grains on the balcony. Watching the birds is refreshing and soul touching. The tree is not only home to the animals but also to the old people in the area. The tree provides shade for them to sit under it, even in the peak of summer.

As I sit here reveling in the world of this 30-year-old tree, I wonder why trees are not valued in our urban planning. They are not only beautiful, but are practically important too for shade, for water re-charge, charge, for clean air. Why do development planners not realize this? Why are trees being cut to make way for roads, shopping malls or stadiums? Our towns and cities are getting so far from nature, it is up to us to find ways to stay connected.

1. Why is the narrator lucky to have spent all his life in the eastern Himalayas?
2. How is the tree a friend of the cattle and the birds?
3. What arrangement has the narrator made to invite birds to his little home?
4. What, according to the narrator, are the benefits (any two) of trees?
5. The narrator finds watching the birds. And 6. In the last paragraph, the narrator repent of the fact that nowadays

6. Find words from the passage which means:
 - i the state of being normal or healthy in mind (paragraph 2)
 - ii enjoying or getting great pleasure from (paragraph 6)

Q2. Write a list of it of 50 verbs with all three forms i.e present tense form, Past tense form and past participle form.

Q3. When is the World Story Telling day? Rewrite the story of The White Elephant using your imagination and bring out a change to the ending.

Write in A4 size or ruled papers and submit it on or before 25/06/25. **No Stick files PLEASE.**

SUBJECT- SOCIAL SCIENCE

Activity-Based Questions

1. Visit a local monument and prepare a photo album highlighting its historical and architectural significance.
2. Design a poster showcasing India's public facilities like sanitation, water supply, and healthcare.
3. Interview an Elder
Ask your grandparents or older neighbors about how life was different in their childhood—focus on schools, markets, transport, etc.(Prepare any 5 questions)
4. Create a small flipbook showing key events in modern Indian history (e.g., freedom struggle, Constitution adoption).

Critical and Creative Thinking (CCT) Questions

5. Imagine a village without proper irrigation. Propose three sustainable solutions to improve agricultural output.
6. If you could interview any historical figure from Indian history, who would it be and what would you ask?
7. Design your own ideal government system for a small island. Justify your model.
8. How can education and health contribute to building a stronger nation? Support your answer with examples.

Map-Based Questions

9. Locate and Label Major Rivers of India

On an outline map of India, mark the major rivers such as the Ganga, Yamuna, Brahmaputra, Godavari, Krishna, Kaveri and Narmada.

10. Identify and Mark Major Crops and Their Regions

On the map of India, mark regions where crops like rice, wheat, cotton, tea, and coffee are majorly grown.

*HHW to be done in activity notebook

SUMMER HOLIDAY HOMEWORK –CLASS VIII

SCIENCE

1.It takes 500-1,000 years for plastic to degrade. Annually approximately 500 billion plastic bags are used worldwide. More than one million bags are used every minute. Plastic bags and other plastic garbage thrown into the ocean kill as many as 1 million sea creatures every year.

2.Conduct a survey of 5-6 people in your locality to know the usage of plastic bags and awareness among people regarding their usage.

Survey: The Usage of Plastic Bags.

Name: _____

Age: _____

Profession: _____

- Do you use plastics bags? Yes/No
- How often do you use plastic bags? Always\Sometimes\Seldom\Never
- In a week, how many plastic bags do you use or obtain?
- Where do you usually obtain your plastic bags?
- where do you think most plastic bags is used?
- Do you bring your own shopping bags during shopping?

3. Theme (FOOD)

Some mushrooms are edible fungi.

Perform this activity on mushrooms and prepare a project using A-4 size sheets (not more than 6 sheets)

- Scientific name .
- Structure
- Nutritional value
- 5 health benefits of mushroom
- Cultivation of mushroom on large scale in India

4.Prepare a Bio-sketch of the Sir CV RAMAN - which includes the following :

- Portfolio/Picture of Sir CV RAMAN,
- Year of birth and death
- Personal life
- Educational background
- E .Notable works and Achievements

ग्रीष्मकालीन अवकाश गृहकार्य
कक्षा - आठवीं 2025-26
विषय – हिंदी

***HHW to be done in activity notebook**

1. 25 साकारात्मक शब्द लिखिए।

2. निम्नलिखित विषयों पर पत्र लिखिए।

(क) कई जगह सूचनापट्ट पर अशुद्ध हिंदी लिखी मिलती है। इस ओर ध्यान आकृष्ट करते हुए प्रसिद्ध दैनिक पत्र के संपादक को पत्र लिखिए।

(ख) परिवहन निगम के प्रबंधक को अपनी कॉलोनी तक बस चलाने के लिए एक पत्र लिखिए।

3.. निम्नलिखित विषयों पर अनुच्छेद लिखिए।

(क) कुशल भारत : सफल भारत

(ख) सत्संगति

4. नैतिक मूल्यों पर आधारित दो कहानियां लिखिए।

नोट – गृहकार्य के लिए अलग से पतली कॉपी बनाएं।

अभ्यासपत्रिका (WORKSHEET) (कक्षा-अष्टमी -VIII)

(FOR HOLIDAY HOMEWORK)

(Take printout of two set, keep one book let with you for practice. Fill in the blanks should be completed in all pages..For Qn.No.2, Sutable Pictures also should be pasted . with Ans.)

I. (1).कोष्ठके दत्त-पदानां सयेन वाक्यानि रचयत- (कोष्ठक की सहायता से वाक्य बनाओ) –

1.बालिका	5.मम	3.असि
2.आर्यभटः	6.क्रीडाक्षेत्रे	1.गायति
3.त्वं	3.विद्यालयं	2.आसीत्
4.अहं	2.वैज्ञानिकः	6.क्रीडन्ति
5.एषः	3.छात्रः	5.विद्यालयः
6.ते	1.क्षोकं	3.गच्छामि

1. |
2. |
3. |
4. |
5.

1.वयं प्रतिदिनं	4.लेखन्या	5.भ्रमन्ति
2.ग्रामं परितः	3.प्राचीनतमा	1.क्रीडामः
3.संस्कृतम्	2.वृक्षाः	4.लिखति
4.छात्रः	5.जनाः	3.भाषा अस्ति
5.उद्याने प्रातःकाले	1.क्रीडाक्षेत्रे	2.सन्ति

1.
2.
3.
4.
5.

- (3)1.
2.
3.
4.
5.

1.छात्राः	4.लेखनं	2.नश्यति
2.लुब्धस्य	5.प्राचीनतमा	3.आसीत्
3.चञ्चलो नाम	1.राष्ट्रगीतम्	4.लिखसि
4.त्वं	3.व्याधः	5.भाषा अस्ति
5.संस्कृतम्	2.यशः	1.गायन्ति

II.) चित्राधारित-वाक्यरचना- (With sutable picture Write it in H.W.)

1.इदं चित्रम् अस्ति।
2. प्रातरशनं कुर्वन्ति।
3. उत्पीठिकायाः उपरि फलानि ।
4. भोजनम् आनयति ।
5. पुत्रः पुत्री च पिबतः ।
1.(Home) – 3.सन्ति 5.दुग्धम् 1.गृहस्य 2.सर्वे 4. माता

1. इदं चित्रम् अस्ति ।
2. अत्र छात्राः रसायन-विज्ञानस्य प्रयोगं.....।
3. एकः बालकः .....पश्यति ।
4. निरीक्षणं करोति।
5. चित्रे द्वौ बालकौ द्वे च सन्ति।
2.(Sc.Lab)- 2.कुर्वन्ति, 5.बालिके, 4.अध्यापकः, 1.प्रयोगालयस्य,

1. इदं एकस्य चित्रम् अस्ति।
2. अत्र अनेके उन्नताः..... सन्ति।
3. हरिणाः उल्लासेन धावन्ति।
4. एकः अनेके पक्षिणः च सन्ति ।
5. अत्र रमणीयं दृश्यं पश्यामः।
3.(Garden/Forest)3.इतस्तत्, 1.वनस्य, 2.वृक्षाः, 5.प्रकृतेः, 4.मयूरः,

1. इदं नगरस्य एकस्य..... चित्रम् अस्ति।
2. एका माता अत्र स्वस्य .....चिकित्सार्थम् आनयति।
3. वैद्यः तस्य बालकस्य .....करोति।
4. वैद्यः ताभ्यां स्वास्थ्य-विषये ददाति ।
5. तदनन्तरं वैद्यः उचितम् बालकाय ददाति।
4.(Hospital)-3.परीक्षां 1.चिकित्सालयस्य 2.पुत्रं, 5.औषधं, 4.निर्देशनं

5.कुम्भमेलस्य-चित्रम् (6.जनाः, 3.सन्यासिनः , 5.जलविहारं ,4. नौकाः,2. प्रवहति , 1.कुम्भमेलकस्य)

- 1.इदं चित्रम् अस्ति ।
- 2.अत्र चित्रे गङ्गा नदी ।
- 3.....नद्यां स्नानं कुर्वन्ति ।
4. नदीलले तरन्ति ।
5. जनाः नौकायां कुर्वन्ति ।
6. चित्रे बहवः अपि दृश्यन्ते ।

IV.कोष्ठकस्य सहायेन कथां पूर्णं कुरुत- (1)[2. दूरे , 4.तण्डुलान् ,7. बद्धाः , 1.जालम् , 3.कपोतराजः , 6.उपदेशम् , 5.तर्हि , 8.सहसा]

एकस्मिन् वने कश्चन व्याधः विस्तीर्य स्थितः । क्रमशः आकाशात् सपरिवारः तत्र आगच्छत् । यदा कपोताः अपश्यन् तदा तण्डुलानाम् उपरि तेषाम् लोभो जातः । परं राजा सहमतः नासीत् । तस्य युक्तिः आसीत् ,यदि अत्र कोऽपि मनुष्यः नास्ति कुतः तण्डुलानां सम्भवः। किन्तु राज्ञः अस्वीकृत्य सर्वे कपोताः तण्डुलानां लोभेन जालेअभवन् । अतः एव उक्तम् विदधीत न क्रियाम् ।

5.पीत्वा 3.पाषाणखण्डानि 4.उपरि 2.घटे 1.जलस्य

(2) एकः काकः आकाशे उड्डयमानः आसीत्। तृषार्तः सः अन्वेषणं करोति। तदा सः एकस्मिन् अल्पं जलपश्यति। सः आनीय तस्मिन् घटे प्रक्षिपति । जलं घटस्यआगच्छति। तदा सःकाकः जलं सन्तुष्टः भवति।

4.दृष्ट्वा, 9.स्वकीयैः, 2.कृतवान्, 10.कर्तनम्, 1.वृद्धः, 6.साट्टहासं, 8.तर्हि, 7.क्षुद्रः, 5.मोचयितुं, 3.अकस्मात्

(3) एकस्मिन् वने एकःव्याघ्रः आसीत्।सः एकदा व्याधेन विस्तारिते जाले बद्धः अभवत्।सः बहु प्रयासं किन्तु जालात् मुक्तः न अभवत्।..... तत्र एकः मूषकः समागच्छत्।जाले बद्धं व्याघ्रंसः तम् अवदत् – अहं त्वां इच्छामि।तच्छ्रुत्वा व्याघ्रःअवदत्-अरे!त्वंजीवः मम साहाय्यं करिष्यसि।यदि त्वं मां मोचयिष्यसि.....अहं त्वां नहनिष्यामि।मूषकःलघुदन्तैः तज्जालं कृत्वा तं व्याघ्रं बहिः कृतवान्।

V.. सन्धि / सन्धिविच्छेदे वा रिक्तस्थानानि पूरयत -

- 1.उपचार + = उपचारार्थम् (अर्थम् ,अर्थम्, अरतम्) 2..... + अनयोः = इत्यनयोः(इत्य, इतय, इति)
3. अद्य + अपि =(अद्यापि, आद्यापि, अद्यपि) 4. सहसा + = सहसैव (इव, एव, अव)
- 5.सहसा + एव = (साहसएव / सहसैव /सहसीव) 6.कर्गदोद्योगे = कर्गद +(उद्योगे / इव / ऐव)
7.+अनयोः = इत्यनयोः (इति / इप / इय) 8.तालपत्रोपरि = तालपत्र +(यालयः / उपरि / अलयः)
9. + अपि = अद्यापि (अद्या / अद्य / आद्या) 10. + एताः = ससैताः (ससै / सप्त / सप्ते)
11. मातेव = माता + (एव / इव / ऐव) 12. तेषु + एव = (तेषुयेव / तेष्वेव / तेषुवेव)
13. कः + अपि = (कापि / कहापि / कोऽपि) 14. अत्यधिकम् = + अधिकम् (अत / अत्य / अति)

VI.. उदाहरणनुसारं प्रकृतिप्रत्ययं संयोज्यलिखत -

उदाहरणम् – (पठ्+क्त्वा =पठित्वा / पठ्+तुमुन् = पठितुम् / आ+गम्+ल्यप्=आगत्य)

1. उप + विश् + ल्यप् = (उपवेष्टुम्/ उपविश्य / उपविष्ट्वा)
2. आ+दा+ल्यप् = आदाय .
3. पा + तुमुन् = (पातुम् / पाकत्वा / पीत्वा)
4. नम् + क्त्वा = नत्वा
5. कृ + क्त्वा = (करणीय / कर्तुम् / कृत्वा)
6. गम् +तुमुन् = गन्तुम्
7. कृ.+ अनीयर्= करणीय : (कर / क्री / कृ)
8. परि + क्रम्+ल्यप् = परिक्रम्य

VII. विलोमार्थकं पदं चित्वा लिखत-

5.पृष्ठतः, 10.अनुकूलम्, 12.अपायः, 1.अन्धकारः, 11.नूतनः, 14.शत्रुता, 2. सार्थकः, 13.मृदुः, 16.कनिष्ठा, 3.अप्रसन्ना,
17.विफलाः, 12.उपकारः 6.आगमनम्, 4.परकीयम् 18/बहिः, 9.उदारी, 7.कीर्तिः, 8.संकचितः.

- | | | |
|------------------------|---------------------|---------------------|
| 1. प्रकाशः x | 2. निरर्थकः x | 3. प्रसन्ना x |
| 4. स्वकीयम् x | 5. पुरतः x | 6. गमनम् x |
| 7. अपकीर्तिः x | 8. विशालः x | 9.कृपणः x |
| 10. प्रतिकूलम् x | 11.प्राचीनः x | 12. अपकारः x |
| 13. कठोरःx | 14. मैत्री x | 15.उपायः x |
| 16. वरिष्ठा X | 17.सफलाः x | 18. अन्तः x |

VIII.उचितं समानार्थकं पदं चित्वा लिखत-

- | | |
|------------------------|-----------------------|
| 1. जगति = | 2. तटिनी = |
| 3. चक्षुषा = | 4. वसुन्धराम् = |
| 5.जननी = | 6. प्रकृतिः = |
| 7.रविः = | 8. नृपः = |
| 9. समुद्रः = | 10. नौका = |
| 11.जलाशयः = | 12. अश्मा = |
| 13. राक्षसाः = | 14. क्लेशः = |
| 15. कुटुम्बकम् = | 16. अनलः = |
| 17. अनिलः = | 18. जलम् = |
| 19. पिकः = | 20. सचिवः = |

10.जलपोतः, 8.राजा
7.सूर्यः 4. पृथ्वीम्
3.नेत्रेण, 9.जलधिः,
5.माता 6. स्वभावः,
2.नदी, 19.कोकिलः
1.संसारे 15.परिवारः
17.वायुः 20. मन्त्री,
13.दानवाः 14.दुःखम्
16.अग्निः, 18. वारि,
12.पाषाणः, 11. सरः

IX. मञ्जूषातः अव्ययपदानि चित्वा रिक्तस्थानानि पूरयत-

8.च (और) 11.अलम् (मत्) 2/12.बहिः (बाहर) 7.उपरि (ऊपर) 13.शनैः (धीरे-धीरे) 15.अपि (भी) 4.तदा (तब)
1.तावत् (तबतक) 9.सदा (हमेशा) अधः (नीचे) 14.तत्र (वहाँ) 16.वृथा (व्यर्थ) 10.न (नहीं) , 3.एव (हि), 5.तर्हि (तो)

- 1.स च यावत् पश्यति सिंहपदपद्धतिः दृश्यते।
2. शृगालः गुहायाः आसीत्।
3. सूर्यः पूर्वदिशायां उदेति।
- 4.यदा दशवादनं भवति छात्राः विद्यालयं गच्छन्ति ।
5. यदि सफलताम् इच्छसि आलस्यं त्यज ।
6. सत्यम्(एव)..... जयते।
- 7.वृक्षस्य खगाः वसन्ति ।
8. लता मेधा विद्यालयं गच्छतः ।

9.भक्तः ईश्वरं स्मरति ।

10. असत्यं कदापि वक्तव्यम् ।

11. विवादेन ।

12. वर्षाकाले गृहात् मा गच्छ ।

13. कूर्मः चलति ।

14. यत्र जलं भवति पक्षिणः आगच्छन्ति ।

15. कुशली भवान् ?

16. दिने दीपः भवति ।

X. कोष्ठकप्रदत्तेषु पदेषु समुचितं विभक्तिं प्रयुज्य रिक्तस्थानानि पूरयत-

1. विना विद्या न लभते । (परिश्रमस्य / परिश्रमेण / परिश्रमाय)
2. छात्रः लिखति । (कलमम् / कलमेन / कलमाय)
3. प्राचार्यः पारितोषिकं ददाति । (छात्र / छात्रेण / छात्राय)
4. अहं वस्त्राणि ददामि । (निर्धन / निर्धनेभ्यः / निर्धनानाम्)
5. अयं वाचनालयः अलम् । (कोलाहलात् / कोलाहलाय / कोलाहलेन)
6. छात्राः वदन्ति , नमः इति । (गुरुम् / गुरवे / गुरोः / गुरवः)
7. सर्वतः गृहाणि सन्ति । (ग्रामस्य / ग्रामम् / ग्रामात् / ग्रामेण)
8. उपरि फलानि सन्ति । (वृक्षाय / वृक्षेण / वृक्षस्य)
9. उत्तमाः छात्राः नमन्ति ।। (गुरवे / गुरोः / गुरून् / गुरवः)
10. उभयतः ग्रामाः सन्ति । (नद्याः / नदीम् / नद्यैः / नद्याम्)
11. विना विद्यालयः न शोभते । (छात्राः / छात्राणाम् / छात्रैः / छात्राय)
12. बहिः बालकाः क्रीडन्ति । (गृहम् / गृहस्य / गृहात् / गृहेण)

XI. पञ्च-निर्माणं कुरुत-

4. कस्य, कुत्र / कस्मिन् , 2. काः, केन , 3. किमर्थम्, 8. का, कैः, 10. काम् 1. केषु , किम् , 9. के, कीदृशः

1. विश्रामगृहेषु कक्षं सुनिश्चितं भवेत्।.....
2. नद्यः सुस्वादुतोयाः भवन्ति ।
3. वयम् उपचारार्थं चिकित्सालयं गच्छामः।
4. बुद्धस्य यशः नश्यति।.....
5. दुर्दान्तः नाम सिंहः आसीत् । = (किम् / कः) ?
6. शृगालः बुद्धिमान् आसीत् ।। = .. ?
7. ते वेतनानि लभन्तेऽस्मि । = (कानि) ?
8. सा जलवाहिनी घटे जलं नयति । = ?
9. गजधराः गजपरिमाणं धारयन्ति ।
10. गृहं शून्यं सुतां विना ।
11. कुरु कुरु सततं ध्येयस्मरणम् । = (किं) ?
12. एकः सिंहः जाले बद्धः आसीत् । = (कुत्र / कस्मिन्) ?

XII उदाहरणानुसारं क्रियापदानि लृट्-लकारे परिवर्तयत (उदाहरण के अनुसार लृट्- (भविष्यत्) में परिवर्तन करो)

क्र० सं०	धातुः	लट्-लकारः	लृट्-लकारः (भविष्यत्कालः)
उदाहरणम्	पठ	पठति / पठतः / पठन्ति	पठिष्यति / पठिष्यतः / पठिष्यन्ति
1	लिख्	लिखति	..... लेखिष्यतः
2	पा	पिबति	..... पास्यतः
3	चल्	चलति	..... चलिष्यतः
4	कृ	करोति	..... करिष्यतः
5	नी	नयति	..... नेष्यतः
6	भू	भवति	..... भविष्यतः
7	गम्	गच्छति	..... गमिष्यतः

8	खाद्	.....	.....	खादिष्यतः	.....
9	दृश्	पश्यति	.....	द्रक्षतः	.....
10	पठ्	पठन्ति	.....	पठिष्यतः	.....

XIII उदाहरणानुसारं क्रियापदानि लोट्-लकारे परिवर्तयत (उदाहरण के अनुसार लोट् लकार में परिवर्तन करो)

क्र० सं०	धातुः	लट्-लकारः	लोट्-लकारः
उदाहरणम्	पठ	पठति / पठतः / पठन्ति	पठतु पठताम् पठन्तु
1	लिख्	लिखति	..... लिखताम्
2	पा	पिबति	पिबतु
3	चल्	चलति	चलतु
4	कृ	करोति	..... कुरुताम्
5	नी	नयति	नयतु
6	भू	भवति	भवतु
7	गम्	गच्छन्ति	..... .....
8	खाद्	खादति	..... .....
9	दृश्	पश्यति	पश्यतु
10	पठ्	पठति	..... .....

XIV. संख्यानां कृते उचितं संख्यावाचकं पदं चित्वा लिखत-

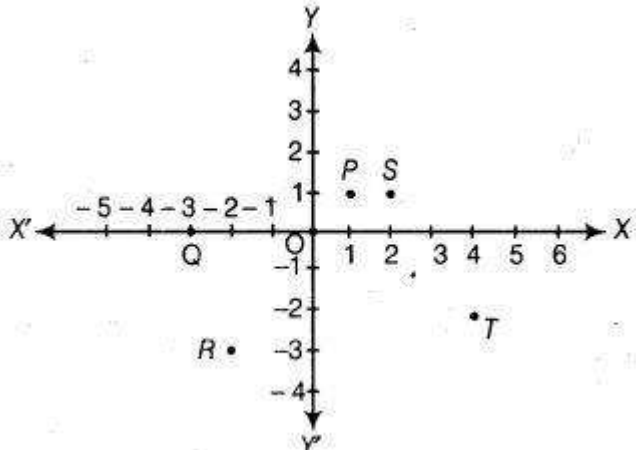
- 1) दशरथस्य पुत्राः आसन् । (चतस्रः / चत्वारः / चत्वारि)
- 2) एकस्मिन् हस्ते अङ्गुल्यः भवन्ति । (पञ्च / पञ्चाः / पञ्चानि)
- 3) एकस्मिन् मासे सामान्यतः दिनानि भवन्ति । (विंशति / त्रिंशत् / त्रिंशतानि)
- 4) पञ्च-पाण्डवेषु कुन्ति-पुत्राः आसन् । (तिस्रः / त्रयः / त्रीणि)
- 5) लवकुशौ वाल्मीकेः आश्रमे वसतः । (द्वे / द्वयम् / द्वौ)
- 6) दहरथस्य भार्याः आसन् । (तिस्रः / त्रयः / त्रीणि)
- 7) उत्पीठिकायां पुस्तकानि सन्ति । (चतस्रः / चत्वारः / चत्वारि)
- 8) मम समीपे रूप्यकाणि सन्ति । (शतानि / शताः / शतम्)

XV. तत्सम-पदेभ्यः तद्भवपदं लिखत – (4.दुग्धम्, 8.घटः, 13.कुक्षिः, 5.शृगालः, 7.सर्पः, लोमशिखा=लोमडी, 3.कूपः, 6.ग्रामः, 1.सह 2.भ्राता, 10.मयूरः, 9.चन्द्रः)

1. साथ =
2. भाई =
3. कुआं =
4. दूध =
5. सियार =
6. गाँव =
7. साँप =
8. घडा =
9. चांद =
10. मोर =
11. कंजूस =
12. मधुमक्खी =
13. कोख =
14. खेत =
15. हाथी =

	KENDRIYA VIDYALAYA DRDO, BANGALORE CLASSIXMATICSSUMMERBREAKHOLIDAYHOMEWORK
	Instructions:- 1. HolidayHomeworktobedoneinseparatenotebook 2. HolidayHomeworkconsistsofthreesections–Chapterwiseassignment questions, Case studies and General topics.
	SECTIONA(ChapterwiseAssignmentquestions)
	NUMBERSYSTEM
1	Express 1.8181... in the form $\frac{p}{q}$ where p and q are integers and $q \neq 0$.
2	Simplify: $\sqrt{45} - 3\sqrt{20} + 4\sqrt{5}$
3	Evaluate: $(\sqrt{5} + \sqrt{20})^2 + (\sqrt{8} - \sqrt{5})^2$
4	Express 23.4343... in $\frac{p}{q}$ form, where p, q are integers and $q \neq 0$.
5	Represent $\sqrt{3}, \sqrt{5}, \sqrt{7}$ on the number line.
6	Simplify (i) $(1^3 + 2^3 + 3^3)^{\frac{1}{2}}$ (ii) $\left(\frac{3}{5}\right)^4 \left(\frac{8}{5}\right)^{-12} \left(\frac{32}{5}\right)^6$ (iii) $\left(\frac{1}{27}\right)^{-\frac{2}{3}}$ (iv) $\left[\left((625)^{-\frac{1}{2}}\right)^{-\frac{1}{4}}\right]^2$
7	If $x = 9 + 4\sqrt{5}$, find the value of $\sqrt{x} - \frac{1}{\sqrt{x}}$
8	If $a = \frac{1}{3 - \sqrt{11}}$ and $b = \frac{1}{a}$, then find $a^2 - b^2$
9	Simplify: $\frac{3\sqrt{2}}{\sqrt{6} - \sqrt{3}} - \frac{4\sqrt{3}}{\sqrt{6} - \sqrt{2}} + \frac{2\sqrt{3}}{\sqrt{6} + 2}$
10	Find a and b , if $\frac{2\sqrt{5} + \sqrt{3}}{2\sqrt{5} - \sqrt{3}} + \frac{2\sqrt{5} - \sqrt{3}}{2\sqrt{5} + \sqrt{3}} = a + \sqrt{15}b$
11	Give two irrational number lying between $\sqrt{2}$ and $\sqrt{3}$.
12	Express the following in $\frac{p}{q}$ form:- (a) $0.\overline{6}$ (b) $0.\overline{16}$ (c) $0.\overline{234}$ (d) $0.12\overline{54}$

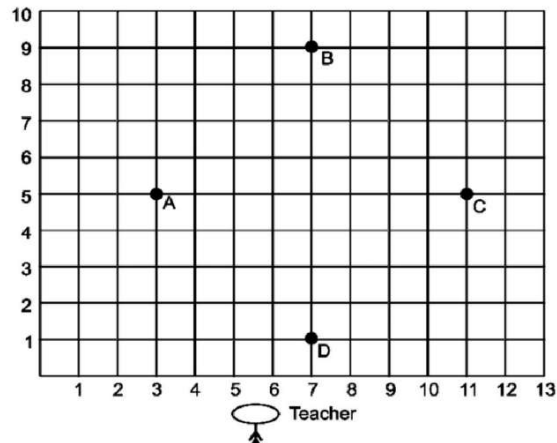
13	Find the values of a and b if $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a + b\sqrt{3}$
14	Simplify by rationalising the denominator: $\frac{2}{5+\sqrt{3}} - \frac{2}{5-\sqrt{3}}$
15	Simplify by rationalising the denominator: $\frac{4+\sqrt{5}}{4-\sqrt{5}} + \frac{4-\sqrt{5}}{4+\sqrt{5}}$
16	If $\frac{\sqrt{7}-1}{\sqrt{7}+1} - \frac{\sqrt{7}+1}{\sqrt{7}-1} = a + b\sqrt{7}$, find the values of a and b.
17	Value of $\sqrt[4]{(81)^{-2}}$ is
18	Rationalise the denominator of the following (i) $\frac{2}{3\sqrt{3}}$ (ii) $\frac{\sqrt{40}}{\sqrt{3}}$ (vii) $\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$ (viii) $\frac{3\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$ (iii) $\frac{3+\sqrt{2}}{4\sqrt{2}}$ (iv) $\frac{16}{\sqrt{41}-5}$ (ix) $\frac{4\sqrt{3}+5\sqrt{2}}{\sqrt{48}+\sqrt{18}}$ (v) $\frac{2+\sqrt{3}}{2-\sqrt{3}}$ (vi) $\frac{\sqrt{6}}{\sqrt{2}+\sqrt{3}}$
19	If $a = 2 + \sqrt{3}$, then find the value of $a - \frac{1}{a}$.
20.	Find the values of a and b in each of the following (i) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a - 6\sqrt{3}$ (ii) $\frac{3-\sqrt{5}}{3+2\sqrt{5}} = a\sqrt{5} - \frac{19}{11}$ (iii) $\frac{\sqrt{2}+\sqrt{3}}{3\sqrt{2}-2\sqrt{3}} = 2 - b\sqrt{6}$ (iv) $\frac{7+\sqrt{5}}{7-\sqrt{5}} - \frac{7-\sqrt{5}}{7+\sqrt{5}} = a + \frac{7}{11}\sqrt{5}b$
COORDINATE GEOMETRY	
1	Plot the following points and write the name of the figure obtained by joining them in order: P(-3, 2), Q(-7, -3), R(6, -3), S(2, 2).
2	In which quadrant or on which axis does each of the following points lie? (-3, 5), (4, -1), (2, 0), (2, 2), (-3, -6)
3	A point lies on the x-axis at a distance of 7 units from the y-axis. What are its coordinates? What will be the coordinates, if it lies on y-axis at a distance -7 units from x-axis?

4	Find the coordinates of the point (i) which lies on x and y-axes both. (ii) whose ordinate is -4 and which lies on y-axis. (iii) whose abscissa is 5 and which lies on x-axis.
5	Points A(5,3), B(-2,3) and O(5,-4) are three vertices of a square ABCD. Plot these points on a graph paper and hence find the coordinates of the vertex C.
6	Plot the points P(1,0), Q(4,0) and S(1,3). Find the coordinates of the point R such that PQRS is a square.
7	On plotting the points O(0,0), A(3,0), B(3,4), C(0,4) and joining OA, AB, BC and CO. Which figure is obtained?
8	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 third quadrant.
9	Plot the following points and check whether they are collinear or not: (i) (1,3), (-1,-1), (-2,-3) (ii) (1,1), (2,-3), (-1,-2) (iii) (0,0), (2,2), (5,5)
10	Write the coordinates of each of the points P, Q, R, S, T and O from the given figure: 

1.

SECTION B (CASE STUDIES)

Students of a school are standing in rows and columns in their playground for a drill practice. A, B, C and D are the positions of four students as shown in the figure.



(a) What are the coordinates of A and B respectively?

(i) A(3,5); B(7,8)

(ii) A(5,3); B(8,7)

(iii) A(3,5); B(7,9)

(iv) A(5,3); B(9,7)

(b) What are the coordinates of C and D respectively?

(i) C(11,5); D(7,1)

(ii) C(5,11); D(1,7)

(iii) C(5,11); D(7,1)

(iv) C(5,11); D(-1,7)

(c) What is the distance between B and D?

(i) 5 units

(ii) 14 units

(iii) 8 units

(iv) 10 units

(d) What is the distance between A and C?

(i) 5 units

(ii) 14 units

(iii) 8 units

(iv) 10 units

(e) What are the coordinates of the point of intersection of AC and BD?

(i) (7,5)

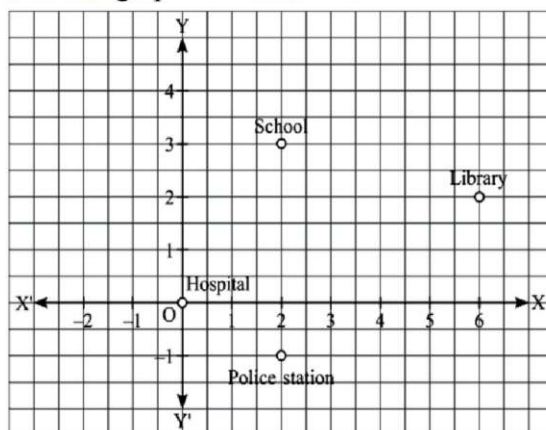
(ii) (5,7)

(iii) (7,7)

(iv) (5,5)

2

Aditya is a Class IX student residing in a village. One day, he went to a city Hospital along with his grandfather for general checkup. From there he visited three places - School, Library and Police Station. After returning to his village, he plotted a graph by taking Hospital as origin and marked three places on the graph as per his direction of movement and distance. The graph is shown below:



(i) What are the coordinates of School?

(a) (3,2)

(b) (2,3)

(c) (3,5)

(d) (5,3)

(ii) What are the coordinates of Police Station?

(a) (2,-1)

(b) (2,1)

(c) (-2,-1)

(d) (-2,1)

(iii) What are the coordinates of Library?

(a) (2,6)

(b) (2, -6)

(c) (6,-2)

(d) (6,2)

(iv) In which quadrant the point $(-1,4)$ lies?

(a) I

(b) II

(c) III

(d) IV

(v) What is the distance between School and Police station?

(a) 5 units

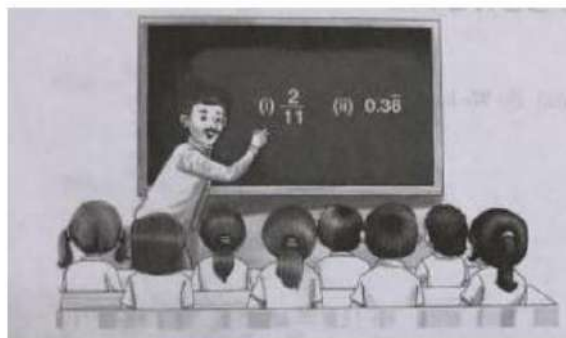
(b) 4 units

(c) 8 units

(d) 10 units

3.

To judge the preparation of students class IX on topic " Number System" Mathematics teachers write two numbers on black board (as shown in figure), and asks some questions about the members, which are following, then answer the question :



- i. Write the decimal form of $\frac{2}{11}$
 - a. $0.\overline{81}$
 - b. $0.\overline{18}$
 - c. $0.\overline{17}$
 - d. $0.\overline{71}$
- ii. Write the p/q form of $0.\overline{38}$
 - a. $\frac{5}{18}$
 - b. $\frac{7}{18}$
 - c. $\frac{11}{18}$
 - d. $\frac{1}{18}$
- iii. Write the decimal expansion of $\frac{2}{11}$
 - a. Non - terminating
 - b. Terminating
 - c. Non - terminating repeating
 - d. Non - terminating non - repeating
- iv. If p/q form of $0.\overline{38}$ is m/n, then value of (m + n) is
 - a. 25
 - b. 11
 - c. 29
 - d. 23
- v. The decimal expansion of $0.\overline{38}$
 - a. Terminating
 - b. Non-terminating
 - c. Non-terminating repeating
 - d. Non-terminating non-repeating

SECTIONC(GeneralTopic)

1. Give a brief writeup on Mathematics in everyday life.
2. Write about any two Mathematicians

KENDRIYA VIDYALAYA DRDO, BENGALURU-93

ARTIFICIAL INTELLIGENCE

Class-9

HHW-2025

- 1.write about Advantage and disadvantage for verbal communication, non verbal communication, visual communication and written communication?(each 4 points)**
- 2.Write about impact of self management skill.**
- 3. What are mobile apps? Give some Examples.**
- 4. Prepare a Poster depicting the impact ICT has in our lives.**
- 5.Go to blogspot.com or blogger.com and write about how to create a blog for yourself?**

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KENDRIYA VIDYALAYA DRDO,BENGALURU

SUMMER VACATION- HOME WORK(2025-26)

SOCIAL SCIENCE- CLASS-IX

1- Completion of CW and HW of all the lessons completed in the month of the April.(As per split-up) Lessons –

Story of Village Palampur 2- India size and location 3- Why Democracy ? What Democracy 4. French Revolution

2.Thorough reading of lessons- 1- Physical features of India 2-Socialism and Russian Revolution.

(Above mentioned lessons will be portion for PT-1)

3- Map work for all the lessons-as per CBS map list in duplicate.(List given in the class)

4- MCQ- 15 questions for each above-mentioned Lessons. (TYPED)

5-Mind Map (SUMMERISING) for the lessons(APRIL-MONTH)-as a part of Multiple assess

6-Disaster Management Project- Compulsory (CBSE)

(Details and Instructions for the project already discussed in the class)

Cover the following aspects: (Choose any six Disaster)

1.Golden Rule of Disaster Management.

2 Do's and Don'ts during Disaster

3-Students role in Disaster risk reduction plans in school.

4-Mitigation strategies during disaster.

NOTE:1- Project has to be integrated with the Art (story/ poem/comic strip/ppt/skit/ collage/ drawings/ slogan/posters / News paper clippings/ Case studies etc.) and can be supported by small model by using ecofriendly products.

2-Projects should be hand written -A-4 size paper

7. Complete the Portfolio.

KENDRIYA VIDYALAYA DRDO, BENGALURU

SUMMER HOLIDAY HOME WORK ENGLISH

CLASS : IX

HOLIDAY HOMEWORK- answers only with correct question number must be written on ruled papers or A4 size papers(submission date:25/06/205).

PORTFLIO- To be done in A4 sheet papers and submitted as per the given dates which will be informed later.

No stickfiles will be accepted

Creative writing : Notice Writing: 2 (50-60words)

- 1) Annual Sports Day Notice: “You are the Sports Captain of your school. Write a notice to be displayed on the school notice board informing students about the upcoming Annual Sports Day. Include details such as the date, time, venue, and the events planned. Encourage students to participate and inform them about how they can register for the events.”

OR

- 2) Science Fair Announcement: “As the Science Club Secretary, draft a notice for your school’s notice board about the forthcoming Science Fair. Mention the fair’s theme, date, and location, and call for entries from students who wish to exhibit their projects. Provide guidelines on project submission and deadlines.”

Reading Comprehension

Passage 1 The Benefits of Reading

Reading has long been recognized as a key to learning and personal growth. Studies show that regular reading improves brain connectivity, increases vocabulary and comprehension, and even enhances empathy. People who read consistently are not only better informed, but they are also better equipped to engage socially as they can discuss a variety of topics.

Books offer a remarkable depth of knowledge and insight, unmatched by shorter forms of media such as articles or news snippets. Reading a well-written book provides a deep dive into a subject, allowing the reader to understand it thoroughly. Moreover, the act of reading itself can be a relaxing and enjoyable way to unwind after a stressful day.

Engaging with diverse genres—from historical fiction to modern biographies—expands the mind’s horizons and introduces readers to new ideas, cultures, and philosophies. Whether it’s exploring ancient civilizations through history books or understanding cutting-edge science through modern non-fiction, each book provides a window into a different aspect of the world.

For children, reading is even more crucial. It builds the foundation for academic success and is a powerful tool in developing early language skills. It fosters imagination and creativity, encouraging children to dream and think beyond their immediate surroundings.

Thus, whether for education, personal growth, or leisure, reading is a fundamental activity that enriches the mind and soul.

Questions

1) What is the primary benefit of reading mentioned in the passage?

- A) Improving physical health
- B) Enhancing social skills
- C) Increasing vocabulary and comprehension
- D) Learning to play musical instruments

2) Which genre is not mentioned in the passage as expanding one's horizon?

- A) Historical fiction
- B) Biographies
- C) Science fiction
- D) Non-fiction

3) According to the passage, why is reading crucial for children?

- A) It helps them use computers better.
- B) It develops early language skills and fosters imagination.
- C) It teaches them sports.
- D) It helps them in learning musical instruments.

4) How does reading benefit individuals socially?

5) Mention one way reading can help unwind after a stressful day.

6) Antonym: Provide a synonym and an antonym for the word "crucial" as used in the passage.

7) Synonym: Provide a synonym and an antonym for the word "remarkable" as used in passage.

Passage 2: CONSERVATION OF WATER

Water is a vital resource for all life on Earth, yet it is often taken for granted. Conservation of water is crucial for maintaining the balance of nature and ensuring sustainability for future generations. Techniques like rainwater harvesting, water recycling, and using water efficient appliances can significantly reduce water wastage.

Governments and environmental organizations emphasize the need to reduce water consumption and protect water bodies from pollution. Public awareness campaigns educate people about the importance of water conservation and how simple daily habits can make a big difference.

In regions where water scarcity is a pressing issue, efficient water management can lead to better agricultural yields and prevent conflicts over water usage. Moreover, water conservation helps in reducing the energy required for processing and transporting water, thereby reducing the carbon footprint associated with these processes.

Water conservation not only secures water for future generations but also has immediate environmental, social, and economic benefits.

Questions for Passage 2

- 1) What is a direct benefit of water conservation?
 - A) Increased computer literacy
 - B) Reduced carbon footprint
 - C) Improved personal health
 - D) Enhanced musical skills
- 2) Which technique is not mentioned as a way to conserve water?
 - A) Rainwater harvesting
 - B) Solar power utilization
 - C) Water recycling
 - D) Using water-efficient appliances
- 3) What is the main reason for governments to emphasize water conservation?
 - A) To improve sports
 - B) To ensure sustainability
 - C) To increase tourism
 - D) To enhance entertainment
- 4) Name one environmental benefit of water conservation.
- 5) How can water conservation reduce conflicts?
- 6) Antonym: Provide an antonym for the word “vital” as used in the passage.
- 7) Synonym: Provide a synonym for the word “significant” as used in the passage.

GRAMMAR

Complete the following passage by choosing the correct options from those given below (write only answer).

Electronic commerce, it seems, still has (a) _____ limits, even in the Silicon Valley. For all the feverish excitement (b) _____ the tripling of electronic shopping last holiday season, the total money (c) _____ by American consumers online still (d) _____ to only about one percent of its total sales barely a tenth (e) _____ the revenues from (f) _____ method of distance selling that has been (g) _____ for a century; the catalogue. This may be because electronic shopping (h) _____ on quite a narrow range of goods, mainly books, toys and music. Worse, there (i) _____ many stories of failed and late deliveries. And, more recently, a string of hackers' attacks (j) _____ temporarily disabled some of the best-known e-commerce websites.

	(i)	(ii)	(iii)	(iv)
(a)	their	a	the	its
(b)	about	of	in	for
(c)	spend	spending	spent	being spent
(d)	amount	amounted	amounts	amounting
(e)	of	for	by	so
(f)	another	other	some	the other
(g)	user	used	uses	in use
(h)	concentrated	is concentrating	was concentrated	had concentrated
(i)	were	have been	has been	was
(j)	has	have	having	had

PORTFOLIO CLASS IX

Index

Content

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 7. Peer Feedback (assessment) n+2
 8. Class Teacher's Assessment n+3
 9. Self-Assessment n+4
-

WELCOME TO MY PORT FOLIO

I am (name)

bearing Admission No..... studying in KV DRDO, B'LURU in
class section....

Email id Contact no.

Address..... What I understand
by portfolio is

.....

..... My
goals

.....

..... In the end,
my portfolio will reflect

.....

..... My
strengths & weaknesses

.....

Development in my strengths

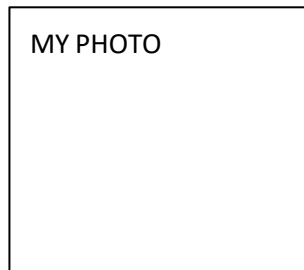
.....

..... I need to
work on

.....

.....

MY PHOTO



Record of Class/Monthly Tests:

Dates	Marks	Signature by Students	Signature by Parents	Signature by Teacher

Record of Notebook correction Subject: English

Name of the student: Class and Sec:

NOTEBOOK CORRECTION

Sl. No	Months	CW/HW with Dates and Signature							
1	April								
2	May								
3	June								
4	July								
5	August								
6	Sep								
7	Oct								
8	Nov								
9	Dec								
10	Jan								
11	Feb								
12	March								

Signature of the Teacher —

Subject Teacher Assessment

Subject: ENGLISH

Phases	Scores by Teacher 1
Phases I	
Phases II	
Phases III	
Total	
Signature of student (if applicable)	
Signature of the subject Teacher:	

PEER ASSESSMENT

SL No.	Descriptors(Parameters for assessment)	Round 1	Round 2	Round 3	Total
1.	Helps classmates in case of difficulties in academic and personal issues				
2.	Seek feedback from teachers and peers for self-improvement				
3.	Actively listens and pays attention to others				
4.	Sees and appreciates other's point of view				
5.	Demonstrates leadership skills, like responsibility, initiative etc				
6.	Is optimistic				
7.	If unsuccessful ,gracefully takes the task Again				
8.	Supports and empathizes with others				
9.	Politely declines -'say no', when he/she does not want to undertake a task				
10.	Is innovative in ideas				
	TT Grand by Self at the end of the year	N/D= N/10x5			N/10
	Name of Peer1/ Peer2/ Peer3/TT by self				
	Signature of Peer1/ Peer2/ Peer3				
	Signature of Class/Subject teacher				

Signature of the Student:

Grading scheme for peer assessment:

1	2	3	4	5
Poor	Fair	Average	Good	Excellent

Self-Assessment

SL No.	Descriptors	Round 1	Round 2	Round 3	Total
1	Attaches a lot of importance to school activities and programmes				
2	Shoulders responsibility happily				
3	Takes cares of school property				
4	Respect teachers and school rules				
5	Sensitive and concerned about environmental degradation				
6	Kind and helpful towards classmates, people of community				
7	Experiments to find new solution				
8	Analyzes and critically evaluate events on the basis of data and information				
9	Questions and verifies knowledge				

Parameters:

1	2	3	4	5
Poor	Fair	Average	Good	Excellent

Signature of the Student:

KENDRIYA VIDYALAYA DRDO, C V RAMAN NAGAR
SUMMER BREAK HOLIDAY HOMEWORK 2025-26 CLASS 10
ENGLISH

INSTRUCTIONS:

HOLIDAY HOMEWORK- answers only with correct question number must be written on ruled papers or A4 size papers(submission date:25/06/2025).

PORTFLIO- To be done in A4 sheet papers and submitted as per the given dates which will be informed later.

No stickfiles will be accepted

READING COMPREHENSION.

Q1 Dirshiti was young woman who had always been fascinated by the supernatural. She had read countless books and watched numerous documentaries about ghosts and otherworldly beings. So, when she heard about an abandoned hotel on the outskirts of town that was said to be haunted, she knew she had to investigate

One night, Dirshiti decided to sneak into the dilapidated hotel with a few of her friends. As they made their way through the dark, eerie corridors, they heard strange noises and felt cold spots. They were convinced that they were not alone.

Suddenly, they came across a room that was different from the rest. It was filled with old cooking equipment and strange symbols etched into the walls. Dirshiti felt a chill run down her spine as she entered the room. She knew that this was where the most paranormal activity occurred. As they were examining the room, they heard a loud bang coming from the hallway. They froze in fear, not knowing what was coming their way.

They could hear footsteps approaching, and they knew they had to hide.

They quickly ducked behind some old shelves as the footsteps grew louder. The sound of breathing was getting closer and closer until finally, they saw a figure appear in the doorway. It was a man wearing a chef's hat, with a face that was twisted in a sinister smile. Dirshiti and her friends felt their blood run cold as the man approached them.

They could feel his cold breath on their faces as he leaned in, whispering in a deep voice,

"You shouldn't be here."

Dirshiti and her friends were frozen with fear as they stared into the chef's eyes. But suddenly, the lights flickered on and the figure disappeared. They looked around the room, and everything seemed normal. They had been so scared that they hadn't realized they were in a room with faulty wiring.

Disappointed, they realized that their ghost hunt had been a bust. They left the hotel feeling deflated and let down. They had hoped for an exciting, spine-tingling adventure, but all they got was a scary moment caused by faulty wiring. As they drove home, they couldn't help but feel foolish for getting so worked up over nothing. They had been so convinced that they would find evidence of the paranormal that they had overlooked the simple explanation for the noises they had heard.

Dirshiti learned an important lesson that night. Sometimes, the scariest things are the ones that we create in our own minds. She realized that she didn't need to chase after the supernatural to experience thrills and excitement. The world around her was full of mystery and wonder, and she was content to experience it without the need for ghosts and ghouls.

(Unit: Education) (CBSE Sample Paper 2023-24)

Now answer the following questions, based on the passage above.

1. How does the setting contribute to the overall mood and atmosphere of the story?
 - a) It creates a sense of nostalgia.
 - b) It adds to the suspense in the story.
 - c) It provides a sense of false security.
 - d) It presents a contrast with the real world.
1. List two ways, how the disappointment that Dirshiti and her friends felt after their ghost hunt, is analogous to the feeling of waking up from a dream. (Answer in 30 -40 words)
2. What is the main flaw in Dirshiti's approach to investigating the haunted hotel?
 - a) She was too focused on finding evidence of the paranormal.
 - b) She was too skeptical and refused to believe in the possibility of ghosts.
 - c) She relied too heavily on other people's accounts of the supernatural.
 - d) She didn't take enough precautions to ensure her safety.
3. After which paragraph of the story, would the following paragraph most likely be placed?
 - a) They commenced walking through the hotel, Dirshiti's torchlight barely illuminating the darkness around

- her. Suddenly, they heard a loud creaking noise behind them.
- b) Drishti whipped around, pointing her flashlight in the direction of the noise. Nothing.
 - c) Shaken, they all quickened their pace.
 - d) The sound of the footsteps outside the door left her petrified and the rasping breathing added to her horror.
4. Briefly explain (in 30-40 words) any two elements that classify the story as scary.
 5. What is the most significant lesson that Drishti learns from her experience in the haunted hotel?
 - a. The importance of avoiding risk-taking.
 - b. The need to be more sceptical of the supernatural.
 - c. The value of evaluating your weaknesses
 - d. The power of imagination to create suspense.
 6. Based on the use of the word "dilapidated" to describe the hotel, in Paragraph 2, we can infer that its condition was
 7. Complete the sentence appropriately: If the title, 'The Hotel Haunting' is given to this passage, it would be an inappropriate title, as compared to 'The Unsettling Encounter at the Abandoned Hotel' because
 10. State whether the given assertion is TRUE or FALSE.
The reason Drishti and her friends visited the abandoned hotel was to prove the existence of ghosts.

Q2. The monastery complex covers an entire mountain. Beyond this remote village, there is nothing but the vast

expanse of the Great Himalayan mountain range for company.

Since the road was smooth in patches, the drive was bumpy in spurts. Sipping water at regular intervals helps you breathe easy and makes you feel less sick. But whatever the discomfort I felt like I was very small in front of the rough mountain range, its rocky texture changing with every mile. Who wouldn't be inspired by this wonder of nature?

No wonder the Himalayas attract seekers of all religious beliefs.

While travelling through the vastness, your problems seem very small; all thoughts vanish and what you are left with is what defines yourself. Those looking for the meaning in life have always found themselves attracted to these mountains. Rishis and yogis in general ages have come to the high point of the Tibetan plateau, gazed upon the barrenness of the desert ranges, and made caves and remote hills their resting place. The sole purpose of the huge mountainous region seemed to be to introduce us to our inner self.

At the outset, layer upon layer of brown mountains look stark and lifeless. But in their folds, they support life and vegetation. We passed several hamlets where friendly natives cheerfully waved to us, egging us on, so that we don't get scared of the harsh environment.

Humbled by the constant company of the mighty peaks and their merciful moods, these simple village folks have learnt to coexist peacefully with nature instead of fighting it the way we people of the plains do. Yaks and pashmina goats grazed indifferently. We stepped out of our car to breathe in the wind and feel it in our hair. A couple of curious marmots emerged from the bushes to check us out.

Two Pangong veterans had warned us about the icy road at Chang La Pass. We had been told to be suitably clad as it was expected to be windy and chilly. But what awaited us at the third highest motorable road in the world was bright sunshine.

(Unit: Travel and Tourism) (CBSE 2014)

On the basis of your reading of the above passage

1.1. Answer the following questions briefly.

1. What do the people attracted to these mountains look for ?
2. What made the friendly natives cheerfully wave at the narrator and others ?
3. What seemed the purpose of the huge mountainous region ?
4. What made the narrator step out of the car ?

1.2. Give very short answers to the following.

1. Who have been most attracted to these mountains ?
2. What could be the weather at Chang La Pass?

1.3. Find words from the text that have the following meanings :

1. quality of not producing anything
2. greatly experienced

1.4. How can one breath easy when one is among the mountains?

- a) by walking straight
- b) by sipping water
- c) by taking rest
- d) none of the above

1.5. Who is most attracted towards these mountains?

WRITING

Q.3. With the help of given outline write an article in about 100-120 words on Morning Walk
[Walking in the open-the best exercise for a student—needs no apparatus-simple and healthy—
natural beauty enlivens the eye and cheers the mind—a companion makes it more enjoyable-can give
surprising results.] 8 MARKS

GRAMMAR

Q4. Complete the passage by choosing the correct options from those given below.

The idiot box is (a) _____ pushing the bookshelf out of the (b) _____ even in regions that have a high literacy rate and a long tradition of libraries. According to the findings of a sample survey (c) _____ average Keralite now spends 90 minutes (d) _____ cable television and 80 minutes reading books. However, TV is not the only culprit; the survey, (e) _____ by the Kerala Library Council to mark the 50th anniversary of the library movement in the state (f) _____ that lack of interest and high price of books (g) _____ equally responsible for people running away from serious reading.

- (a) (i) increasing (ii) increasingly (iii) increased (iv) to increase
- (b) (i) home (ii) house (iii) houses (iv) homes
- (c) (i) a (ii) an (iii) the (iv) by
- (d) (i) watches (ii) watched (iii) is watching (iv) watching
- (e) (i) was conducted (ii) conduct (iii) conducted (iv) being conducted
- (f) (i) indicates (ii) is indicated (iii) indicating (iv) indicated
- (g) (i) is (ii) are (iii) was (iv) were

Q5.BOOK REVIEW- SUGGESTED BOOKS FOR READING

- Kim-Rudyard Kipling
- Robinson Crusoe-Daniel Defoe
- Julius Caesar-William Shakespeare
- The Alchemist-Paolo Coelho
- The God of Small Things-Arundhati Roy

Write a book review of **any one** book after reading.

PORTFOLIO CLASSX

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5. Subject Teacher Assessment	n
6. Standard Parameter for Portfolio Evaluation	n+1
7. Peer Feedback (assessment)	n+2
8. Class Teacher's Assessment	n+3
9. Self-Assessment	n+4

WELCOME TO MY PORT FOLIO

I am (name)
bearing Admission No.....
studying in KV DRDO, B'LURU in class..... section....
Email id Contact no.
Address.....

MY PHOTO

What I understand by portfolio is

.....
.....
.....

My goals

.....
.....

In the end, my portfolio will reflect

.....
.....

My strengths & weaknesses

.....
.....

Development in my strengths

.....
.....

I need to work on

.....
.....

Record of Class/Monthly Tests:

Dates	Marks	Signature by Students	Signature by Parents	Signature by Teacher

Record of Notebook correction Subject: English

Name of the student: Class and Sec:

NOTEBOOK CORRECTION

Sl. No	Months	CW/HW with Dates and Signature							
1	April								
2	May								
3	June								
4	July								
5	August								
6	Sep								
7	Oct								
8	Nov								
9	Dec								
10	Jan								
11	Feb								
12	March								

Signature of the Teacher_____

Subject Teacher Assessment

Subject: ENGLISH

Phases	Scores by Teacher 1
Phases I	
Phases II	
Phases III	
Total	
Signature of student (if applicable)	
Signature of the subject Teacher:	

PEER ASSESSMENT

SL No.	Descriptors(Parameters for assessment)	Round 1	Round 2	Round 3	Total
1.	Helps classmates in case of difficulties in academic and personal issues				
2.	Seek feedback from teachers and peers for self-improvement				
3.	Actively listens and pays attention to others				
4.	Sees and appreciates other's point of view				
5.	Demonstrates leadership skills, like responsibility, initiative etc				
6.	Is optimistic				
7.	If unsuccessful ,gracefully takes the task Again				
8.	Supports and empathizes with others				
9.	Politely declines –‘say no’, when he/she does not want to undertake a task				
10.	Is innovative in ideas				
	TT Grand by Self at the end of the year	N/D= N/10x5			N/10
	Name of Peer1/ Peer2/ Peer3/TT by self				
	Signature of Peer1/ Peer2/ Peer3				
	Signature of Class/Subject teacher				

Signature of the Student: ____

Grading scheme for peer assessment:

1	2	3	4	5
Poor	Fair	Average	Good	Excellent

Self-Assessment

SL No.	Descriptors	Round 1	Round 2	Round 3	Total
1	Attaches a lot of importance to school activities and programmes				
2	Shoulders responsibility happily				
3	Takes cares of school property				
4	Respect teachers and school rules				
5	Sensitive and concerned about environmental degradation				
6	Kind and helpful towards classmates, people of community				
7	Experiments to find new solution				
8	Analyzes and critically evaluate events on the basis of data and information				
9	Questions and verifies knowledge				

Parameters:

1	2	3	4	5
Poor	Fair	Average	Good	Excellent

Signature of the Student: ____

KENDRIYA VIDYALAYA DRDO
SUMMER VACATIONS HOMEWORK
2025-2026

CLASS:10th
SUBJECT: SCIENCE

1. **Art Integrated Project:** Make a poster showing the ray diagrams showing reflection of light.
2. **Investigatory Activity:** Identify any 10 chemical changes which are happening around us.
 - A. Write their chemical reactions/equations.
 - B. Paste the pictures of the products.
 - C. Write the atomic number as well as electronic configuration of the atoms present in that reactants.
3. **PROJECT:** Prepare a brief write-up on “Sustainable Management of Natural Resources” (At least 8-10 pages along with necessary pictures)

***Note:** Question 1, 2 and 3 are part of the Portfolio to be done in A4 sized sheets.

4. **CCT QUESTIONS** (*Separate NOTEBOOK*)

(1) Solid calcium oxide reacts vigorously with water to form calcium hydroxide accompanied by liberation of heat. This process is called slaking of lime. Calcium hydroxide dissolves in water to form its solution called lime water. Which among the following is (are) true about slaking of lime and the solution formed?

- (i) It is an endothermic reaction
 - (ii) It is an exothermic reaction
 - (iii) The pH of the resulting solution will be more than seven
 - (iv) The pH of the resulting solution will be less than seven
- (a) (i) and (ii) (b) (ii) and (iii)
(c) (i) and (iv) (d) (iii) and (iv)

(2) Barium chloride on reacting with ammonium sulphate forms barium sulphate and ammonium chloride. Which of the following correctly represents the type of the reaction involved?

- (i) Displacement reaction
 - (ii) Precipitation reaction
 - (iii) Combination reaction
 - (iv) Double displacement reaction
- (a) (i) only (b) (ii) only
(c) (iv) only (d) (ii) and (iv)

(3) Electrolysis of water is a decomposition reaction. The mole ratio of hydrogen and oxygen gases liberated during electrolysis of water is

- (a) 1:1 (b) 2:1
(c) 4:1 (d) 1:2

(4) Which of the following is(are) an endothermic process(es)?

- (i) Dilution of sulphuric acid
 - (ii) Sublimation of dry ice
 - (iii) Condensation of water vapours
 - (iv) Evaporation of water
- (a) (i) and (iii) (b) (ii) only
(c) (iii) only (d) (ii) and (iv)

(5) In the double displacement reaction between aqueous potassium iodide and aqueous lead nitrate, a yellow precipitate of lead iodide is formed. While performing the activity if lead nitrate is not available, which of the following can be used in place of lead nitrate?

- (a) Lead sulphate (insoluble) (b) Lead acetate

(c) Ammonium nitrate

(d) Potassium sulphate

(6) Amit observed that, when copper powder is heated in a China dish, the reddish-brown surface of copper powder becomes coated with a black substance.

- (a) Why is this black substance formed?
- (b) What is the black substance?
- (c) Write the chemical equation of the reaction that takes place.
- (d) How can the black coating on the surface be turned reddish brown.
- (e) Identify and name this type of reaction.

(7) 3g of Silver bromide is taken in a China dish and the China dish is placed in sunlight for some time.

- (a) What will be your observation in this case?
- (b) Write the chemical reaction involved in the form of a balanced chemical equation.
- (c) Give any one use of such reaction

(8) Which of the following statements about the autotrophs is incorrect?

- (a) They synthesize carbohydrates from carbon dioxide and water in the presence of sunlight and chlorophyll
- (b) They store carbohydrates in the form of starch
- (c) They convert carbon dioxide and water into carbohydrates in the absence of sunlight
- (d) They constitute the first trophic level in food chains

(9) Balance the following chemical equations and identify the type of chemical reaction.

- (a) $\text{Mg(s)} + \text{Cl}_2\text{(g)} \rightarrow \text{MgCl}_2\text{(s)}$
- (b) $\text{HgO(s)} \xrightarrow{\text{Heat}} \text{Hg(l)} + \text{O}_2\text{(g)}$
- (c) $\text{Na(s)} + \text{S(s)} \xrightarrow{\text{Fuse}} \text{Na}_2\text{S(s)}$
- (d) $\text{TiCl}_4\text{(l)} + \text{Mg(s)} \rightarrow \text{Ti(s)} + \text{MgCl}_2\text{(s)}$
- (e) $\text{CaO(s)} + \text{SiO}_2\text{(s)} \rightarrow \text{CaSiO}_3\text{(s)}$

(10) Kalpana made the following observations during the reaction of some metals with dilute hydrochloric acid.

- (a) Silver metal does not show any change.
- (b) The temperature of the reaction mixture rises when aluminium (Al) is added.
- (c) The sodium metal reaction is highly explosive.
- (d) Some gas bubbles are seen when lead (Pb) is reacted with the acid.
- (e) A white solid found in bones when dropped in water produces a hissing sound.

Justify these observations giving suitable reasons

(11) In an experiment, 3 g ferrous sulphate crystals are taken in a dry boiling tube. The colour of the ferrous sulphate crystals is noted down. After that the boiling tube is heated over the flame of a burner and the colour of the crystal is noted down. Based on the above experiment answer the questions given below:

- a. What is the colour of the Ferrous sulphate crystals before heating and after heating.
- b. Name the gases evolved in the above process.
- c. Establish a balanced chemical reaction for this process.
- d. Which type of reaction takes place inside boiling tube?

(12) An aqueous solution of metal nitrate P reacts with sodium bromide solution to form yellow not of compound O which is used in photography. O on exposure to sunlight undergoes decomposition reaction to form metal present in P along with reddish brown gas. Identify P & O. Write the chemical reaction & type of chemical reaction.

(13) A student has mixed the solutions of lead (II) nitrate and potassium iodide,

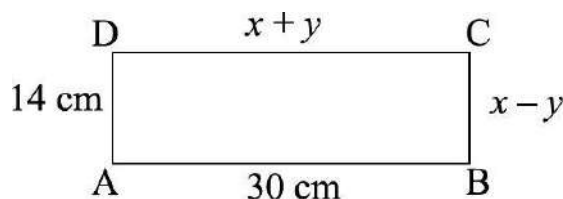
- (i) What was the colour of the precipitate formed? Can you name the compound precipitated?
- (ii) Write the balanced chemical equation for this reaction, What type of reaction is it?

(14) A reddish brown vessel developed a green coloured solid X when left open in air for a long time. When reacted with dil H_2SO_4 , it forms a blue coloured solution along with brisk effervescence due to colourless & odourless gas Z. X decomposes to form black coloured oxide Y of a reddish brown metal along with gas Z. Identify X, Y, & Z.

(15) A student took 2-3 g of a substance X in a glass beaker & poured water over it slowly. He observed bubbles along with hissing noise. The beaker becomes quite hot. Identify X. What type of reaction is it?

**PRACTICE QUESTIONS (LINEAR EQUATIONS IN TWO VARIABLES) CLASS: X :
MATHEMATICS**

1. Find the value of k for which system of equation $2x + 3y = 5$ and $4x + ky = 10$ has infinite number of solutions.
2. Check the consistency of the pair of linear equations $2x + 3y = 5$ and $4x + 6y = 10$.
3. Find the number of solutions of the pair of equations $x + 2y + 5 = 0$ and $-3x - 6y + 1 = 0$.
4. Given the linear equation $3x + 4y - 8 = 0$, write another linear equation in two variables such that the geometrical representation of the pair so formed is parallel lines.
5. Find whether the following pair of linear equations is consistent or inconsistent: $3x + 2y = 8$ and $6x - 4y = 9$.
6. Find the value of k for which the lines $5x + 7y = 3$ and $15x + 21y = k$ coincide.
7. If $x = a$ and $y = b$ is the solution of the pair of equations $x - y = 2$ and $x + y = 4$, find the values of a and b .
8. If the system of equations $6x - 2y = 3$ and $kx - y = 2$ has a unique solution, find k .
9. For what values of k will the following pair of linear equations have infinitely many solutions? $kx + 3y - (k - 3) = 0$ and $12x + ky - k = 0$
10. Determine the values of a and b for which the following system of linear equations has infinite solutions: $2x - (a - 4)y = 2b + 1$; $4x - (a - 1)y = 5b - 1$
11. For what value of k will the following system of linear equations have no solution? $3x + y = 1$; $(2k - 1)x + (k - 1)y = 2k + 1$
12. For what value of k for which the following pair of linear equations have infinitely many solutions: $2x + 3y = 7$, $(k - 1)x + (k + 2)y = 3k$ is
13. For what value of k , do the equations $3x - y + 8 = 0$ and $6x - ky = -16$ represent coincident lines
14. Solve: $2x + 3y = 11$ and $2x - 4y = -24$
15. In figure, ABCD is a rectangle. Find the values of x and y .



16. Solve the following pair of linear equations: $21x + 47y = 110$ and $47x + 21y = 162$
17. If $217x + 131y = 913$, $131x + 217y = 827$, then find the value of x and y
18. Half the perimeter of a garden, whose length is 4 more than its width is 36 m. Find the dimensions of the garden.

19. Draw the graphs of the equations $x - y + 1 = 0$ and $3x + 2y - 12 = 0$. Determine the co-ordinates of the vertices of the triangle formed by these lines and x-axis. Shade the triangular region.
 20. Draw the graph $x - y + 1 = 0$ and $2x + y - 10 = 0$. Shade the region bounded by these lines and x-axis. Find the area of the shaded region.
 21. A natural number, when increased by 12, equals 160 times its reciprocal. Find the number.
 22. Find a natural number whose square diminished by 84 is equal to thrice of 8 more than the given number.
 23. The sum of the digits of a two-digit number is 9. Also 9 times this number is twice the number obtained by reversing the order of the digits. Find the number.
 24. A train covered a certain distance at a uniform speed. If the train would have been 6 km/h faster, it would have taken 4 hours less than the scheduled time. And, if the train were slower by 6 km/hr; it would have taken 6 hours more than the scheduled time. Find the length of the journey.
 25. Anuj had some chocolates, and he divided them into two lots A and B. He sold the first lot at the rate of ₹2 for 3 chocolates and the second lot at the rate of ₹1 per chocolate, and got a total of ₹400. If he had sold the first lot at the rate of ₹1 per chocolate, and the second lot at the rate of ₹4 for 5 chocolates, his total collection would have been ₹460. Find the total number of chocolates he had.
 26. The area of a rectangle gets reduced by 9 square units, if its length is reduced by units and breadth is increased by 3 units. If we increase the length by 3 units and the breadth by 2 units, the area increases by 67 square units. Find the dimensions of the rectangle.
 27. Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?
 28. A part of monthly hostel charges in a college is fixed and the remaining depends on the number of days one has taken food in the mess. When a student 'A' takes food for 22 days, he has to pay Rs. 1380 as hostel charges; whereas a student 'B', who takes food for 28 days, pays Rs. 1680 as hostel charges. Find the fixed charges and the cost of food per day.
 29. Meena went to a bank to withdraw Rs 2,000. She asked the cashier to give her Rs. 50 and Rs. 100 notes only. Meena got 25 notes in all. How many notes of Rs. 50 and Rs. 100 she received?
 30. The ratio of income of two persons is 9 : 7 and the ratio of their expenditure is 4 : 3, if each of them manage to save Rs. 2000/month. Find their monthly incomes.
-

1. If α, β are the zeroes of the polynomial $P(x) = 4x^2 + 3x + 7$, then find the value of $\frac{1}{\alpha} + \frac{1}{\beta}$.
 2. If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then find the value of k .
 3. If p and q are the zeroes of the quadratic polynomial $f(x) = 2x^2 - 7x + 3$, find the value of $p + q - pq$.
 4. If one zero of the quadratic polynomials: $kx^2 + 3x + k$ is 2, then find the value of k .
 5. If one of the zeroes of the quadratic polynomial $(k - 1)x^2 + kx + 1$ is -3 , then find the value of k .
 6. If zeroes of $p(x) = 2x^2 - 7x + k$ are reciprocal of each other, then find the value of k .
 7. If the zeroes of the quadratic polynomial $x^2 + (a + 1)x + b$ are 2 and -3 then find a and b .
 8. Find the quadratic polynomial, the sum of whose zeroes is -5 & product is 6.
 9. Find the value of m if polynomial $p(x) = 4x^2 - 6x - m$ is exactly divisible by $x - 3$.
 10. Find a quadratic polynomial whose zeroes are -9 and $-1/9$.
 11. If one zero of the quadratic polynomial $2x^2 + px + 4$ is 2, find the other zero. Also, find the value of p .
 12. Find a quadratic polynomial whose one zero is 5 and product of zeroes is 30.
 13. Find a quadratic polynomial whose zeroes are 3 and -5 .
 14. Find a quadratic polynomial whose zeroes are $5 + \sqrt{2}$ and $5 - \sqrt{2}$.
 15. If the product of the zeroes of the polynomial $ax^2 - 6x - 6$ is 4, then find the value of a . Also find the sum of zeroes of the polynomial.
 16. Find the zeroes of the quadratic polynomial $x^2 - 2x - 8$ and verify the relationship between the zeroes and the coefficients of the polynomial.
 17. Find the zeroes of the quadratic polynomial $6x^2 - 3 - 7x$ and verify the relationship between the zeroes and the coefficients of the polynomial.
 18. Find the zeroes of the quadratic polynomial $2x^2 - x - 6$ and verify the relationship between the zeroes and the coefficients of the polynomial.
 19. Find the zeros of the polynomial $x^2 + \frac{1}{6}x - 2$, and verify the relation between the coefficients and zeros of the polynomial.
 20. If the sum of the zeroes of the polynomial $p(x) = (k^2 - 14)x^2 - 2x - 12$ is 1, then find the value of k .
-

PRACTICE QUESTIONS (REAL NUMBERS) CLASS: X :
MATHEMATICS

1. Find the least number that is divisible by all the numbers 1 to 10 (both inclusive).
2. If the LCM of a and 18 is 36 and the HCF of a and 18 is 2 then find the value of a.
3. If two positive integers p and q can be expressed as $p = ab^2$ and $q = a^3b$; a, b being prime numbers, then find LCM (p, q).
4. If p and q are positive integers such that $p = ab^2$ and $q = a^2b$, where 'a' and 'b' are prime numbers, then find the LCM (p, q).
5. If HCF of 510 and 92 is 2, then find the LCM.
6. Find the value of 'a', if $\text{HCF}(a, 18) = 2$ and $\text{LCM}(a, 18) = 36$.
7. The HCF of two numbers is 9 and their LCM is 2016. If the one number is 54, then find the other number.
8. Two numbers are in the ratio of 15:11. If their H.C.F. is 13, then find the numbers
9. Find the prime factorisation of 2120.
10. Find the prime factorisation of 108.
11. If p and q are two distinct prime numbers, then find their HCF.
12. Find the HCF of the smallest composite number and smallest prime number.
13. Find the LCM of smallest two-digit composite number and smallest composite number.
14. Find the ratio of LCM and HCF of the least composite and the least prime numbers.
15. The LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one number is 280, then find the other number
16. If $\text{HCF}(26, 169) = 13$, then find $\text{LCM}(26, 169)$.
17. If $\text{HCF}(90, 144) = 18$, then find $\text{LCM}(90, 144)$.
18. Show that the number 6^n never end with digit 0 for any natural number n.
19. Show that $(7 \times 13 \times 11) + 11$ and $(7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1) + 3$ are composite numbers.
20. Find HCF and LCM of 625, 1125 and 2125 using prime factorisation.
21. Find the HCF and LCM of 96 and 404 using prime factorisation.
22. Find the HCF and LCM of 6, 72 and 120 using prime factorisation.
23. Given that $\sqrt{3}$ is irrational, prove that $5 + 2\sqrt{3}$ is irrational.
24. Given that $\sqrt{5}$ is irrational, prove that $3 - 2\sqrt{5}$ is irrational.
25. Given that $\sqrt{3}$ is irrational, prove that $2 - 5\sqrt{3}$ is irrational.
26. Given that $\sqrt{5}$ is irrational, prove that $2 + 3\sqrt{5}$ is irrational.
27. Prove that $\sqrt{3}$ is an irrational number.
28. Prove that $\sqrt{5}$ is an irrational number.
29. Prove that $\sqrt{2} + \sqrt{3}$ is an irrational number
30. Prove that $\sqrt{3} + \sqrt{5}$ is an irrational number

.....

PRACTICE QUESTIONS (QUADRATIC EQUATIONS) CLASS: X : MATHEMATICS

1. If $x = 2$ is a solution of the equation $x^2 - 5x + 6k = 0$, then find the value of k .
2. Find the roots of $2x^2 - 7x + 3 = 0$.
3. If the quadratic equation $x^2 + 4x + k = 0$ has equal roots, then find the value of k .
4. If $x^2 + k(4x + k - 1) + 2 = 0$ has equal roots, then find the value of k .
5. If one root of the equation $ax^2 + bx + c = 0$ is 3 times the other, then find b^2 :
 ac
6. What is the positive real root of $64x^2 - 1 = 0$?
7. For what value of k does $(k - 12)x^2 + 2(k - 12)x + 2 = 0$ have equal roots?
8. Find the value of p so that the quadratic equation $px(x - 3) + 9 = 0$ has equal roots.
9. If $(1 - p)$ is a root of the equation $x^2 + px + 1 - p = 0$, then find the roots.
10. Solve for x : $4x^2 - 2(a^2 + b^2)x + a^2b^2 = 0$.
11. The sum of the squares of three consecutive positive integers is 50. Find the integers.
12. A train travels 360km at a uniform speed. If the speed had been 5km/hr more, would have taken 1 hour less for the same journey. Find the speed of the train.
13. Two water taps together can fill a tank in $9\frac{1}{8}$ hours. The larger tap takes 10 hours less than the smaller one to fill the tank separately. Find the time in which each tap can separately fill the tank.
14. A person on tour has Rs.360 for his expenses. If he extends his tour for 4 days, he has to cut down his daily expenses by Rs.3. Find the original duration of the tour.
15. Rs.6500 were divided equally among a certain number of persons. Had there been 15 more persons, each would have got Rs.30 less. Find the original number of persons.
16. The diagonal of a rectangular field is 60 metres more than the shorter side. If the longer side is 30 metres more than the shorter side, find the sides of the field.
17. In a flight of 600km, an aircraft was slowed down due to bad weather. Its average speed for the trip was reduced by 200 km/hr from its usual speed and the time of the flight increased by 30 min. Find the scheduled duration of the flight.
18. In a rectangular park of dimensions $50\text{ m} \times 40\text{ m}$, a rectangular pond is constructed so that the area of grass strip of uniform width surrounding the pond would be 1184 m^2 . Find the length and breadth of the pond.

- 19.** An express train takes 1 hour less than a passenger train to travel 132 km between Mysore and Bangalore (without taking into consideration the time they stop at intermediate stations). If the average speed of the express train is 11km/h more than that of the passenger train, find the average speed of the two trains.
- 20.** A motor boat whose speed is 18 km/h in still water takes 1 hour more to go 24 km upstream than to return downstream to the same spot. Find the speed of the stream
-
-

KENDRIYA VIDYALAYA DRDO.BENGALURU
SUMMER VACATION- HOME WORK
(2025-26)

CLASS: X

1. Completion of CW and HW of all the lessons completed in the month of the April.(As per split-up) Lessons:

1- Development 2- Resources and development 3- Power sharing 4-Nationalism in Europe.

2. Thorough Reading of two Lessons -1. Nationalism in India 2- Forest and wild life resources(June- July syllabus)

(Above mentioned lessons are portion for PT-1)

- 3- Map work for all the lessons-as per CBSE map list in duplicate.

4- Assertion and Reasoning based 5 questions for each above mentioned lessons.(TYPED)

- 5- Mind Map for the lessons-as a part of Multiple assessment.

6- CBSE – recommended Project (Details and Instructions for the project already discussed in the class)

Topics- Any one of the following:

- 1- Consumer Rights
- 2- Social Issues
- 3- Sustainable development.

Project has to be integrated by the Art (story/ poem/comic strip/ppt/skit/ collage/ drawings/ slogan/posters / News paper clipping/ Real life Examples/ Cases studies etc.) and can be supported by small model by using ecofriendly products.

Disaster Management Project- Compulsory

Project should cover the following 3 different aspects-

- 1- Your role as a student for Disaster preparedness in school.
- 2- Suggestions for use of Technology during Disaster-(to disseminate information and coordinate relief efforts)
- 3- Environmental conservation and Disaster mitigation-Role of student(How they can contribute)

NOTE:1-Projects should be hand written -A-4 size paper

2-Must be supported by Pictures/ Drawing/ Real incidents/ News Paper reference? Graphs/ ETC.

7. Complete the portfolio

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CLASS X
SUBJECT - ARTIFICIAL INTELLIGENCE
HOLIDAY HOMEWORK

Q1. Importance of stress management is/are

- A) Improves mood**
- B) Boosts immune system**
- C) Increases efficiency**
- D) All of the above**

Q2. Stress management prevents _____.

- A) psychological disorders**
- B) behavioural problems**
- C) both of the above**
- D) none of the above**

Q3. Which of the following help to manage stress?

- A) Self-awareness of symptoms of stress**
- B) Speaking out to the family and friends**
- C) Both of the above**
- D) None of the above**

Q4. Stress cannot be _____ but _____.

- A) Cured, practised**
- B) Eradicated, managed**
- C) Learnt, forgotten**
- D) Avoided, welcomed**

Q5. Impact of stress depends on _____.

- A) Age and health**
- B) Profession**
- C) Living conditions**
- D) All of these**

Q6. Which is the odd stress symptom of the following?

- A) Social withdrawal**
- B) Depression**
- C) Fatigue**
- D) Anxiety**

...

Q7. _____ is a practice of focusing on his/her mind.

- A) Yoga**
- B) Physical Exercise**
- C) Meditation**
- D) Nature Walk**

...

Q8.....helps to manage stress?

- A) Recreational activities like watching movies etc**
- B) Going On Vacations with Family and Friends**
- C) Taking Nature Walks**
- D) All of the above**

Q9. Radhika has prepared a timetable to achieve her goal. This skill is known as

- A) Self-Awareness**
- B) Responsibility**
- C) Time-Management**
- D) Adaptability**

...

Q10. Stress leads to.....

- A) happiness**
- B) positive thinking**
- C) firmness**
- D) mental troubles**

Q11. Term 1 exam is approaching nearby. Rahul is feeling unprepared. This situation causes

- A) confidence**
- B) stress**
- C) positiveness**
- D) strong beliefs**

...

Q12. Which of the statements below is showing Rohan's weakness?

- A) Rohan play the guitar very well.**
- B) Rohan is good at creative writing**
- C) Rohan finds it difficult to read English newspaper.**
- D) None of the above**

Q13. The force that is within you drives you to do things.

- A) Self-Awareness**
- B) Self-Regulation**
- C) Self-Motivation**
- D) None of the above**

Q14. Which of the following makes a person complete work or studies without others cheering him?

- A) Self-confidence**
- B) Communication**
- C) Self-motivation**

D) Self-Esteem

...

Q15. Which of the following is one of the signs of stress

- A) tiredness**
- B) headache**
- C) feeling low**
- D) all of these**

BASIC ICT SKILLS

Q1. Which of the following functions is not performed using a mouse?

- A) Turn on**
- B) Hover**
- C) Right-click**
- D) Drag and Drop**

Answer (A)

Hide Answer

Q2. What is the term used when you press and hold the left mouse key and move the mouse around?

- A) Highlighting**
- B) Dragging**
- C) Selecting**
- D) Moving**

Q3. Which of the following is a valid file extension for Notepad file?

- A) .jpg**
- B) .doc**
- C) .text (POST) starts**
- D) . txt**

...

Q4. Which one of the following shortcut keys is used to paste a file?

A) Ctrl + c

B) Ctrl + p

C) Ctrl + v

D) Ctrl + x

Q5. What keys do you use to copy something?

A) Ctrl+x

B) Ctrl+c

C) Ctrl+z

D) Ctrl+y

Q6. What happens if you leave a device plugged in even after it is charged 100%?

A) It can break.

B) It can stop functioning.

C) It can overheat.

D) Data can get corrupt.

Q7. How can an antivirus protect your device?

A) It can protect it from overheating.

B) It can increase its performance.

C) It can prevent data from getting corrupt.

D) It can backup data.

Q8. Which option is not required to keep a device cool?

A) Keep the device unplugged when in use.

B) Do not cover a laptop with a blanket.

C) Make sure the computer's CPU fan is working.

D) Avoid leaving the device in the sun.

..

Q9. Which of the following is essential for maintaining a keyboard?

A) Turn the keyboard upside down and shake it to remove foreign material.

B) Blow dust and other particles with help of a blower.

C) Use a very dilute combination of soap and water applied with a non-abrasive cloth to remove stains from the keycaps.

D) Cover the keyboard whenever not in use

.

Q10. What should you do to ensure secure online transactions?

A) Lock your computer

B) Give credit card or bank details only on safe websites

C) Use anti-virus

D) Do not use pirated software

...

Q11. Which of the following trap small children into inappropriate relations?

A) Online predators

B) Worms

C) Trojan Horse

D) Anti-Virus

...

Q12. What should a strong password consist of?

A) Only letters

B) Numbers and special characters

C) Name of a person

D) Letters, numbers and special characters

...

Q13. Which key is used to delete a slide in presentation

A) Backspace key

B) Delete key

C) Enter key

D) Space bar

Q14. Shotcut key to open a find dialog box is

A) Ctrl+V

B) Ctrl+F

C) Ctrl+H

D) Ctrl+Z

Q15. The number of alignment present are possible in MS Word

A) 2

B) 4

C) 3

D) 5

- Complete all notes of employability skills [all chapters]

KV DRDO-CLASS 12-CHEM HHW

1.

Calculate the potential of Iron electrode in which the concentration of Fe^{2+} ion is 0.01 M.

($E^\circ_{\text{Fe}^{2+}/\text{Fe}} = -0.45 \text{ V}$ at 298 K)

[Given : $\log 10 = 1$]

2.

When a certain conductivity cell was filled with 0.05 M KCl solution, it has a resistance of 100 ohm at 25°C. When the same cell was filled with 0.02 M AgNO_3 solution, the resistance was 90 ohm. Calculate the conductivity and molar conductivity of AgNO_3 solution.

(Given : Conductivity of 0.05 M KCl solution = $1.35 \times 10^{-2} \text{ ohm}^{-1}\text{cm}^{-1}$)

3.

Answer the following questions :

- | | |
|--|---|
| (a) How do primary batteries differ from secondary batteries ? | 1 |
| (b) The cell potential of Mercury cell is 1.35 V, and remains constant during its life. Give reason. | 1 |
| (c) Write the reactions involved in the recharging of the lead storage battery. | 2 |

OR

- | | |
|---|---|
| (c) Write two advantages of fuel cells over other galvanic cells. | 2 |
|---|---|

4.

During electrolysis of aqueous solution of NaCl :

- (A) H_2 (g) is liberated at cathode
- (B) Na is formed at cathode
- (C) O_2 (g) is liberated at anode
- (D) Cl_2 (g) is liberated at cathode

5.

Calculate emf of the following cell :



$$\text{Given : } E_{\text{Zn}^{2+}/\text{Zn}}^{\circ} = -0.76 \text{ V}, \quad E_{\text{Sn}^{2+}/\text{Sn}}^{\circ} = -0.14 \text{ V}$$

$$[\log 10 = 1]$$

6.

- (i) The resistance of 0.05 M CH_3COOH solution is found to be 100 ohm. If the cell constant is 0.0354 cm^{-1} , calculate the molar conductivity of the acetic acid solution.

- (ii) State Faraday's first law of electrolysis. How much charge in Faraday is required for the reduction of 1 mol of MnO_4^- to Mn^{2+} ?

$$3+2=5$$

7.

- (i) The conductivity of $0.0025 \text{ mol L}^{-1}$ acetic acid is $5.25 \times 10^{-5} \text{ S cm}^{-1}$. Calculate its degree of dissociation if Λ_m° for acetic acid is $390 \text{ S cm}^2 \text{ mol}^{-1}$.

- (ii) Write anode, cathode and overall reaction of lead storage battery.

$$3+2=5$$

8.

During electrolysis of aqueous CuCl_2

- (A) H_2 (g) is liberated at cathode
(B) Cu is formed at cathode
(C) O_2 (g) is liberated at anode
(D) Cl_2 (g) is liberated at cathode

9.

The unit of cell constant is :

- (A) ohm cm⁻¹
- (B) ohm⁻¹
- (C) cm⁻¹
- (D) ohm⁻¹ cm² mol⁻¹

10.

During the electrolysis of aqueous NaCl, the cathodic reaction is :

- (A) Oxidation of Cl⁻ ion
- (B) Reduction of Na⁺ ion
- (C) Oxidation of H₂O
- (D) Reduction of H₂O

11.

The conductivity of 0.2 M solution of KCl is 2.48×10^{-2} S cm⁻¹. Calculate its molar conductivity and degree of dissociation (α).

Given :

$$\lambda_{K^+}^0 = 73.5 \text{ S cm}^2 \text{ mol}^{-1}$$

$$\lambda_{Cl^-}^0 = 76.5 \text{ S cm}^2 \text{ mol}^{-1}$$

12.

- (i) Calculate emf of the following cell at 25°C :

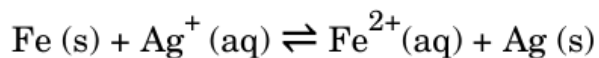


$$\text{Given : } E_{\text{Zn}^{2+}/\text{Zn}}^0 = -0.76 \text{ V, } E_{\text{Cd}^{2+}/\text{Cd}}^0 = -0.40 \text{ V } [\log 10 = 1]$$

- (ii) State Faraday's second law of electrolysis. How will the pH of aqueous NaCl solution be affected when it is electrolysed ? 3+2=5

13.

- (i) Calculate the $\Delta_r G^\circ$ and $\log K_c$ for the following cell reaction :



$$\text{Given : } E_{\text{Fe}^{2+}/\text{Fe}}^\circ = -0.44 \text{ V, } E_{\text{Ag}^+/\text{Ag}}^\circ = +0.80 \text{ V,}$$

$$1 \text{ F} = 96500 \text{ C mol}^{-1}$$

- (ii) Write any two advantages of the fuel cells over primary and secondary batteries ?
- (iii) How many Faradays are required for the oxidation of 1 mole of H_2O to O_2 ? $3+1+1=5$

14.

Which of the following is a secondary cell ?

- (A) Dry cell
- (B) Lead storage cell
- (C) Mercury cell
- (D) Daniell cell

15.

Which of the following cells is used in hearing aids ?

- (A) Dry cell
- (B) Mercury cell
- (C) Nickel-cadmium cell
- (D) Fuel cell

HOLIDAY HOMEWORK

Class 12

1. a) Describe the endosperm development in coconut.
b) Why is tender coconut considered a healthy source of nutrition?
c) How are pea seeds different from castor seeds with respect to endosperm?
2. Name the type of fruit, apple is categorized under and why? Mention two other examples, which belong to the same category as apple.
3. a) Mention the exact location or the site in a flowering plant, where the following developments take place:
 - i) Deposition of sporopollenin
 - ii) Triple fusion
 - iii) Release of male gametes
 - iv) Megasporogenesis
b) Draw a neat labelled diagram of a male gametophyte of an angiosperm.
4. Draw a schematic diagram of spermatogenesis and oogenesis.
5. a) Why is the process of fertilization in angiosperms termed as double fertilization. Explain
b) Draw a neat labelled diagram of embryo sac.
6. You are conducting artificial hybridization on papaya and potato. Which one of them would require the step of emasculation and why? However, for both you will use the process of bagging. Justify giving reason.
7. List the human male sex accessory ducts, draw a neat labelled diagram of male reproductive system.
8. Draw a neat labelled diagram of T.S of human ovary.
9. Write a note on artificial hybridization.
10. Describe pollination in aquatic plants.
11. Draw the different stages of human embryo development.

KENDRIYA VIDYALAYA

CLASS 12

HHW

ENGLISH

1. Write *short notes in 60 to 80 words* on each of the following in your English CW notebook with reference to the chapters mentioned:

- a) Linguistic chauvinism and patriotism (The last Lesson),
- b) A daughter's thoughts about her ageing parents (My Mother at Sixty Six)
- c) The impact of child labour on children & society (Lost Spring),
- d) The tendency to escape from the anxiety of modern life (The Third Level)
- e) Conceit & arrogance of those in power (The Tiger King).

Read the questions and answer accordingly in your CW

f) In the story, 'The Third Level' by Jack Finney, Charley is obsessed with finding the third level. In an attempt to thrash out whether this obsession is a good quality or a harmful one, Charley's wife expresses her thoughts in a diary entry. As Louisa, Charley's wife, write this diary entry. Support your response with reference to the story. You may begin this way: I have been married to Charley for a few years now and I have always known him to be an intelligent man with an imaginative mind. However, his recent obsession with finding the Third Level has ...

g) Describe the impact of the Prussian occupation on the characters and their way of life in the story "The Last Lesson". Answer in 120-150 words.

h) For the most women, bangles are dreams in glass but for bangle makers of Firozabad they are a vicious circle they cannot wriggle out of. Comment. Answer in 120-150 words.

i) Imagine you are the poet's friend. (My mother at sixty six) Write a dialogue exchange between yourself and the poet where the latter confides in you about her fears and asks for your advice. What would your advice be to face her fears, to ignore them or something else? Answer in 120-150 words.

Creative writing:

1A. You are the Secretary of Vishvas Flats Welfare Association, Delhi-51. Write a notice to be circulated to the members of the Association, requesting them to attend a meeting to discuss the security measures of the flats and appointment of new security guards. (Word limit 50 words.)

1B. You are Anita/Anil, the Sports Secretary of Jyoti Public School, Delhi. Draft a notice in not more than 50 words for your school notice board informing the students about the sale of old sports goods of your school

READING SECTION:CASE BASED PASSAGE I

**Read the passage given below and study the pie chart to answer the questions that follow:
10 Marks**

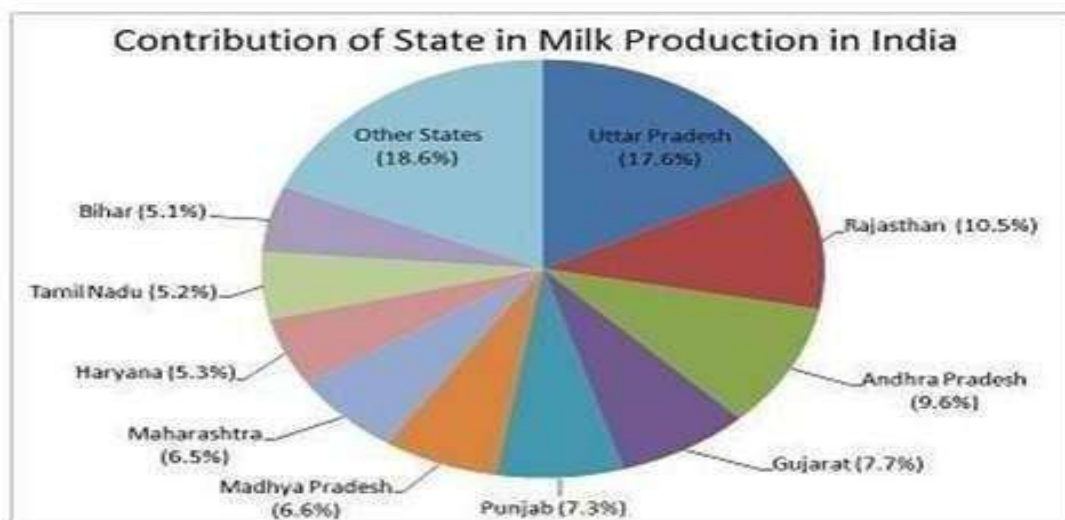
The White Revolution, known as Operation Flood, was launched in 1970. It was an initiative by India's National Dairy Development Board (NDDB) and was the world's biggest dairy development programmed. It transformed India from a milk deficient nation into the world's largest milk producers. Operation Flood was based on the experimental pattern set up by Verghese Kurien, chairman and founder of AMUL, who was named the Chairman of NDDB and was also recognized as the architect of Operation Flood.

There were three phases of the White Revolution in India.

Phase 1: This phase started in July 1970 with the objective of setting up dairy cooperatives in 18 milk sheds in 10 states. They were to be linked with the four best metropolitan markets. By the end of this phase in 1981 there were 13,000 village dairy cooperatives covering 15,000 farmers.

Phase 2: It aimed at building on the designs of phase 1 and on the assisted Dairy development programmes in Karnataka, Rajasthan and Madhya Pradesh. By the end of this phase in 1985 there were 136 milk sheds, 34,500 village dairy cooperatives and over 36 lakh members.

Phase 3: This phase emphasised on consolidating the gains of the earlier two phases by improving the productivity and efficiency of the dairy sectors for long term sustainability. It ended in 1996 and by that time there were 73,300 dairy cooperatives and over 9.4 million farmer members. It ended the imports of milk solids in India and India started exporting milk powder to many foreign nations.



i. The White Revolution was responsible for turning India to _____

- ii. The major achievement of White Revolution was _____
- iii. UP's production of milk is _____ that of Gujarat and Punjab.
- iv. . Milk production in Haryana and Tamil Nadu together is closest to.
- v. The word 'sustainability' in the passage means the ability to_____.
- vi. Who was known as the architect of Operation Flood and why?
- vii. What was the development in phase 2 of the White Revolution in India?
- viii What did phase 3 emphasise on?

UNSEEN PASSAGE 1

Environmental pollution is the introduction of harmful pollutants into the environment, encompassing various forms such as air pollution, water pollution, noise pollution, thermal pollution, soil pollution, and light pollution. Additionally, deforestation and the release of hazardous gases contribute significantly to environmental pollution. Over the past decade, there has been a notable increase in environmental pollution worldwide. Earth, our home, possesses a unique environment where air and water are essential elements that support life.

Without access to air and water, our planet would resemble the lifeless celestial bodies in our solar system, devoid of humans, animals, and plants. The biosphere, which sustains living creatures, contains a delicate balance of oxygen, nitrogen, carbon dioxide, argon, and water vapor. This equilibrium not only facilitates the life cycles of animals and plants but also provides a perpetual source of minerals and energy that underpins modern human civilization.

Environmental pollution has multiple sources and causes, including industrial activities. Industries, while bringing prosperity, have disrupted ecological harmony, with smoke, gases, industrial waste, and scientific experiments posing constant threats to air and water quality. The improper disposal of industrial waste contributes to soil and water pollution. Vehicles running on petrol and diesel, as well as coal-based cooking, emit harmful substances that contaminate the environment. The proliferation of vehicles, emitting black smoke that freely disperses and mixes with the air we breathe, leads to air pollution and noise pollution.

Rapid urbanization and industrialization also pose significant challenges to the environment. The expansion of urban areas and industrial growth harm plant life, affecting the animal kingdom and human existence. Population growth, especially in developing nations, has driven increased demand for food, jobs, and housing. This has resulted in massive deforestation to accommodate the growing population's needs. While there may not be a radical solution for existing factories located in populated areas, there are several measures that can be taken to address environmental pollution. Governments can plan future industrial complexes far from densely populated regions. Researchers can explore methods to reduce harmful emissions from vehicles. Stopping deforestation and promoting afforestation are crucial steps, and the discharge of factory waste into rivers should be prohibited to keep river water free from pollution. The world has already

observed unusual changes in seasons, indicating a disruption in the biosphere's balance. It is vital to recognize this threat and take action promptly, as failing to restore ecological balance may lead to dire consequences.

Answer the following questions on the basis of the reading of the above passage: -

(a) Industries have achieved success by -

- i) disrupting ecological balance
- ii) encroaching on the Environment
- iii) disposing of waste
- iv) conducting scientific experiments 1

(b) The earth's atmosphere, consisting of Oxygen, Nitrogen, Carbon dioxide, argon, and water vapours, is known as —

- i) photosphere
- ii) biosphere
- iii) ozone
- iv) space

© Population growth results in an increase in —

- i) demand for basic food, jobs, and housing
- ii) demand for basic food only
- iii) demand for housing only
- iv) demand for new industries

(a) How can deforestation be controlled?

- i) by establishing new industries
- ii) by cutting down more trees
- iii) by purchasing new vehicles
- iv) by planting new trees and refraining from tree-cutting 1

(b) Deforestation leads to —

- i) a healthy and safe environment
- ii) the emission of healthy gases
- iii) increased rainfall and an improved water cycle
- iv) environmental pollution and ecological imbalance 1

(c) What are the primary forms of environmental pollution? 2

(d) How do vehicles contribute to pollution? 2

(e) What are two main causes of environmental pollution? 1

(f) What measures can be taken to prevent environmental pollution? 2

UNSEEN PASSAGE 2 (UNSOLVED)

In the grand tapestry of life, a baby's journey begins with the first glimpse of the world. From the moment they open their eyes, they embark on a profound learning journey, where sight and sensation initiate a process that shapes their future. Among all the tools of learning, language stands supreme. It is language that bestows upon humans their intellectual edge over all other creatures. Only humans have the ability to step back, contemplate their circumstances, compile a list of ideas, analyse them, draw conclusions, and articulate their reasoning. This unique capability is possible because humans possess language. Thus, the quality of one's thoughts is intricately tied to the sophistication of their language, whether it is rudimentary or advanced, precise or approximate, conventional or innovative.

Very young infants find solace in the soothing sound of a human voice, comforting words spoken in close proximity. This emotional response early in life underscores the significance of feelings in the process of language acquisition. Children learn to communicate through language in their interactions with fellow humans, and this learning thrives in an environment filled with affectionate feedback from those closest to them. The intimate and joyful "connecting" experienced in the interaction between parents and babies, with locked eyes and the adult coaxing verbal responses from the child, sets the tone for future relationships.

Long before they can utter words, children are actively engaged in a two-way communication process that lays the foundation for their later language use. Surrounded by language constantly, they subconsciously construct mental frameworks into which their speech and reading will later fit. These frameworks include grammatical structures, tense sequences, and more, which are shaped by the complexity and quantity of the speech they hear. The fortunate children are those who listen to articulate adults expressing ideas and defending opinions. They understand early on that relationships are forged through speaking and listening,

and that warmth, humor, and all human emotions have a place in this process. Books play a pivotal role in ensuring a child's language development. Constantly conversing with very

young children can be taxing, as their experiences are limited, leading to inevitable boredom on the child's part and frustration on the adult's. Sharing books with parents and children bridges the generation gap, creating a common frame of reference. Everyday occurrences often trigger recollections of situations, characters, or actions from a shared book, fostering warmth and a sense of belonging. This shared verbal exchange can establish a foundation for productive communication between parents and children, particularly when the challenges of adolescence arise. Young children's understanding often outpaces their ability to express themselves as they strive to convey their growing awareness and perception of reality through speech. Modifying

words like "later," "nearly," "tomorrow," "almost," "wait," "half," and "lend" steer children away from simplistic binary responses of "yes" and "no" toward the nuanced world of adults, where compromise and shades of meaning exist. Books expand the horizons of children's imagination, introducing them to a multitude of people, animals, objects, and ideas in their formative years, enriching their lives immensely. Books also encourage children to adopt different perspectives, enabling them to step into others' shoes and empathize. This imaginative self-awareness brings forth not only hopes and joys but also apprehensions and fears.

In today's society, visual images and loud noise dominate, with television and advertisements often catering to non-readers. Books, on the other hand, offer language that is subtle, resourceful, exhilarating, and harmonious. They provide a pleasure to the human ear and understanding, offering the profound impact of

well-chosen words. Unfortunately, in the modern child's world, this richness of language is at risk of being drowned out by blaring and glaring distractions.

1.1 Choose the correct option for the following questions:

a. What sets man apart in terms of intelligence?

(i) ideas, (ii) conclusions (iii) reasoning (iv) language 1

b. What is an important aspect of language learning for very young babies? 1

(i) feelings (ii) interaction (iii) experience (iv) feedback

c. When can books aid in a child's language development? 1

(i) children are given a book to read on their own.

(ii) parents and children share book reading.

(iii) books have colourful visual images.

(iv) books are new and expensive.

d. Which statement is NOT correct? 1

(i) The modern child's world is full of visual images and crude noise.

- (ii) Advertisements are designed for non-readers to understand.
- (iii) In books, children can experience subtle, resourceful, and harmonious language.
- (iv) Television is good for the proper development of a child's language.

e. When does the role of books in maintaining good relationships occur? 1

- (i) children learn to use language in interaction
- (ii) children unconsciously build structures in their mind.
- (iii) children's horizons expand inevitably.
- (iv) children see things from others' points of view.

f. List three things that a baby can do from the moment it is born that enable it to learn about the world around it. 2

g. What advantages do children who listen to articulate adults enjoy in comparison with others? 2

h. Why, according to the writer, is talking alone an inadequate base for language development? 2

i. Pick out two other advantages of books mentioned in the passage. 1

UNSEEN PASSAGE 2 (UNSOLVED)

Every year, as the chilly winter gradually arrives, the region often referred to as the "Switzerland of the East" transforms into a hub of festive celebrations. Much like the rest of the world, the indigenous people of Nagaland, known as the Nagas, embrace the spirit of Christmas and welcome the New Year. Kohima, the capital of Nagaland, gears up for its annual cultural extravaganza - the Hornbill Festival.

The Nagas hold deep admiration for the Hornbill, a bird closely intertwined with their socio-cultural life. Consequently, the festival itself is named after this revered bird, and the traditional headgear worn by the tribes during the festivities serves as a symbolic tribute.

The Hornbill Festival takes place each year during the first week of December in Kisama, which lies approximately 10 kilometres from Kohima. Since 2000, this event has been meticulously organized by the tourism, art, and culture departments of the Nagaland state government. It

serves as a unifying platform for all the diverse tribes of Nagaland, celebrating the richness and vibrancy of the state's culture and heritage.

The festival encompasses a wide array of elements, including music and dance performances, competitive games, arts and crafts exhibitions, and an array of food and gift stalls.

The Hornbill Festival unfolds within a specially constructed permanent complex known as the Naga Heritage Village. The central area hosts the main events, including entertaining games, while a corner is dedicated to a food court.

The village features replicas and models of traditional houses, called morungs. Each morung represents a unique architectural style, lifestyle, and ancestral heritage of its respective tribe. These structures house various tribal artifacts, such as hunting trophies, spears, shields, and hallowed log drums. The doorways of each morung are adorned with diverse wood carvings. Some morungs resemble thatched huts filled with masks, pots, pans, and other everyday items.

Nagaland comprises sixteen tribes and numerous sub-tribes, each with its own customs, languages, art forms, and attire. The Hornbill Festival serves as a showcase for the distinctive aspects of all Nagaland's tribes, fostering inter-tribal interactions and promoting the preservation, revival, and appreciation of Naga culture.

Members of each tribe adorn themselves in distinctive attire, featuring headgear crafted from feathers, boar teeth, finely woven bamboo, and archid, as well as jewelry made from ivory, animal fangs, and multicolored beads. The tribes are further distinguished by painted designs on their faces and bodies. During the festival, both men and women perform traditional folk songs and dances, engage in special games like traditional archery and wrestling, and participate in mock wars and wedding ceremonies.

While the Nagas were once known as fierce hunting tribes, the Hornbill Festival brings out their lighter and more humorous side. For instance, there is a comical game in which blindfolded contestants attempt to feed each other, resulting in laughter from the audience.

The Hornbill Festival offers a plethora of entertainment options, including colorful dances, food stalls, fairs, games, ceremonies, flower shows, fashion exhibitions, and motor rallies. It also provides an opportunity to acquire beautiful wooden and bamboo handicrafts, exquisite handwoven shawls, dried flowers, and other artworks created by local artists. Importantly, the festival serves not only to unite the people of Nagaland but also attracts visitors from across India and around the world.

1.1. Choose the correct option:

a. The Nagas celebrate Hornbill festival because 1

- (i) they love festival very much
- (ii) hornbill is a famous Saint.
- (iii) they like Hornbill.
- (iv) it comes after Christmas.

b. The Nagas show their respect to Hornbill by 1

- (i) looking after the Hornbill
- (ii) feeding the Hornbills
- (iii) using their feathers in the headgears.
- (iv) coming together to celebrate Hornbill festival.

c. Morungs are: 1

- (i) models
- (ii) legacy
- (iii) houses
- (iv) trophies

d. The main idea of the passage is how the Hornbill festival is 1

- (i) celebrated, planned, and executed
- (ii) enjoyed by Nagas thoroughly
- (iii) an occasion to buy bamboo handicrafts, shawls, etc
- (iv) an event to treasure and share valuable works of art.

(e) Why is the festival named after a bird? 1

(f) What do the Nagas keep in their houses? 2

(g) How do the Nagas express fun and humour on the festival. 2

(h) How does this festival unite various tribes of Nagas? 2

(i) Find word from the passage which mean the same as: 1 conventional (Para 2)

Answers to passage 01 and 02 sample solved

Ans: i). World's largest milk producer

ii) India stopped importing and started exporting

milk iii) more than

iv) Rajasthan

v) be maintained at a certain rate or level

vi) Verghese Kurien, because the Operation Flood transformed India from a milk deficient nation into the world's largest milk producers based on the experimental pattern set up by Verghese Kurien.

vii) By the end of this phase in 1981 there were 13,000 village dairy cooperatives covering 15,000 farmers.

viii) This phase emphasised on consolidating the gains of the earlier two phases by improving the productivity and efficiency of the dairy sectors for long term sustainability

Ans ii)

1.1 (a) (i) disrupting ecological balance

1.2 (b) (ii) biosphere

(c) (i) demand for basic food, jobs, and housing

(d) (iv) by planting new trees and refraining from tree-cutting

(e) (iv) environmental pollution and ecological imbalance

(f) The primary forms of environmental pollution are air pollution, water pollution, noise pollution, thermal pollution, soil pollution, and light pollution.

(g) Vehicles contribute to pollution by emitting harmful substances into the environment through the release of black smoke, leading to air pollution and noise pollution.

(h) Two main causes of environmental pollution are industrial activities and rapid urbanization and industrialization.

(i) Measures to prevent environmental pollution include planning future industrial complexes away from populated areas, reducing harmful emissions from vehicles, stopping deforestation, promoting afforestation, and prohibiting the discharge of factory waste into rivers.

KENDRIYA VIDYALAYA DRDO, Bengaluru-93

Class XII - Holiday Homework (2025-26)

Mathematics

1. Classify the following functions as injection, surjection or bijection.

(i) $f: \mathbb{R} \rightarrow \mathbb{R}$, defined by $f(x) = |x|$

(ii) $f: \mathbb{R} \rightarrow \mathbb{R}$, defined by $f(x) = \sin x$

(iii) $f: \mathbb{R} \rightarrow \mathbb{R}$, defined by $f(x) = 5x^2 + 4$

2. The following relation is defined on the set of real number: $aRb \Leftrightarrow 1+ab > 0$. Find whether this relation is reflexive, symmetric or transitive.
3. Let S be a relation on the set \mathbb{R} of all real numbers defined by $S = \{(a,b) \in \mathbb{R} \times \mathbb{R} : a^2 + b^2 = 1\}$. Prove that S is not an equivalence relation on \mathbb{R} .
4. Let \mathbb{N} be the set of all natural numbers and let R be a relation on $\mathbb{N} \times \mathbb{N}$, defined by $(a,b)R(c,d) \Leftrightarrow a+d = b+c$ for all $(a,b), (c,d) \in \mathbb{N} \times \mathbb{N}$. Show that R is an equivalence relation on $\mathbb{N} \times \mathbb{N}$.
5. Find gof and fog , if $f: \mathbb{R} \rightarrow \mathbb{R}$ and $g: \mathbb{R} \rightarrow \mathbb{R}$ are given by $f(x) = \sin x$ and $g(x) = x^2$. Show that $\text{gof} \neq \text{fog}$.
6. Let $A = \{1, 2, 3\}$ and let $f: A \rightarrow A$ defined by $f = \{(1, 2), (2, 3), (3, 1)\}$. Find f^{-1} if it exists.
7. Let $f: \mathbb{W} \rightarrow \mathbb{W} : f(n) = n+1$, if n is even and $f(n) = n-1$, if n is odd. Show that f is invertible. Find f^{-1} .
8. a) Write the following sets in roster form $D =$ collection of all the letters of the word MATHEMATICS.
- b) Write the following sets in roster and set builder form $C =$ collection of all even integers.
9. Let $A = \{1, 2, 3\}$, show that the number of equivalence relations containing $(1, 2)$ is 2.
10. Draw the graph of $\sin x$, $\cos x$ and $\tan x$.

KENDRIYA VIDYALAYA, DRDO, C V RAMAN NAGAR, BANGALORE-56009)

HOLIDAY HOME WORK

SUBJECT: PHYSICS (042)

CLASS-XII

1. Investigatory project with Report & Working Model
2. Completion of Record work

EXPERIMENTS

- a. SECTION A - 04
- b. SECTION B - 04

ACTIVITIES

SECTION A & SECTION B- 06

3. NCERT exercises
Chapter 1, 2 & 3 numerical
- 4.

CHAPTER	NUMBER OF QUESTIONS					
	MCQ TYPE	A&R	CASE STUDY	SHORT ANSWER TYPE (2M)	SHORT ANSWER TYPE (3M)	LONG ANSWERTYPE (5M)
ELECTRIC CHARGE & FIELD	05	03	01	02	03	02
ELECTRIC CAPACITANCE POTENTIAL	05	03	01	02	02	01
CURRENT ELECTRICITY	05	03	02	02	03	01
TOTAL	15	09	04	06	08	04

As mentioned above collect the questions along with answers and submit the file after re opening

CLASS XII-CS HOLIDAY HOME WORK

FUNCTIONS

1. Function name must be followed by _____.
2. _____ keyword is used to define a function.
3. Function will perform its action only when it is _____.

4. Write statement to call the function:

```
def Add():  
    X = 10 + 20  
    print(X)
```

5. Write statement to call the function:

```
def Add(X,Y):  
    Z = X+Y  
    print(Z)
```

6. Write statement to call the function:

```
def Add(X,Y):  
    Z = X+Y  
    return Z
```

(also printing the result)

7. Which line number code will never execute in the given function?
8. What will be the output of the following code:

```
def Cube(n):  
    print(n*n*n)  
  
Cube(n) # n is 10 here  
  
print(Cube(n))
```

9. What are the different types of actual arguments in a function? Give example of any one of them.
10. What will be the output of the following code:

```
def Alter(x, y = 10, z=20):  
    sum = x+y+z  
    print(sum)  
  
Alter(10,20,30)
```

Alter(20,30)

Alter(100)

11. Ravi, a Python programmer, has a problem with this function definition:

```
def CalculateInterest(Principal,Rate=.06,Time):
```

```
    # code
```

Identify the error and provide a solution.

12. Call the given function using keyword arguments with values 100 and 200:

```
def Swap(num1,num2):
```

```
    num1,num2=num2,num1
```

```
    print(num1,num2)
```

13. Which line number(s) of code will not work and why? (Given multiple Interest() function calls.)

14. What will be the output of the following code:

```
def Calculate(A,B,C):
```

```
    return A*2, B*2, C*2
```

```
val = Calculate(10,12,14)
```

```
print(type(val))
```

```
print(val)
```

15. What are Local Variables and Global Variables? Illustrate with example.

16. What will be the output of the following code:

```
def check():
```

```
    num=50
```

```
    print(num)
```

```
num=100
```

```
print(num)
```

```
check()
```

```
print(num)
```

17. What will be the output of the following code:

```
def check():
```

```
    global num
```

```
    num=1000
```

```
    print(num)
```

```
num=100  
  
print(num)  
  
check()  
  
print(num)
```

18. What will be the output of the following code:

```
print("Welcome!")  
  
print("I am ", __name__)
```

19. Function can alter only Mutable data types? (True/False)

20. A Function can call another function or itself? (True/False)

21. What will be the output of the following code:

```
def display(s):  
    l = len(s)  
    m=""  
    for i in range(0,l):  
        if s[i].isupper():  
            m=m+s[i].lower()  
        elif s[i].isalpha():  
            m=m+s[i].upper()  
        elif s[i].isdigit():  
            m=m+"$"  
        else:  
            m=m+"*"  
    print(m)  
  
display("EXAM20@cbse.com")
```

22. What will be the output of the following code involving function Alter(M,N=50) and variables A and B?

23. What will be the output of the following code involving function Total(Number=10)?

24. What will be the output of the following code involving function Change(P=10, Q=25) and global variable X?

25. What will be the output of the following code involving functions show() and invoke() and a global variable a?

26. What will be the output of the following code involving drawline(char='\$',time=5)?

27. What will be the output of the following code involving Updater(A,B=5) and multiple updates to variables A and B?
28. What will be the output of the following code involving functions Fun1(num1) and Fun2(num1)?
29. What will be the output of the following code involving functions Alpha(num1), Beta(num1), and Gamma(num1) and global variable X?
30. What will be the output of the following code involving Fun1(mylist) modifying a list?

FILE HANDLING

1. Give one difference between Text file and Binary File.
2. Write a Python statement to open a text file "DATA.TXT" so that new contents can be written on it.
3. Write a Python statement to open a text file "DATA.TXT" so that new content can be added to the end of file.
4. Write a Python statement to open a text file "DATA.TXT" so that existing contents can be read from file.
5. A file "MYDATA.TXT" is opened as file1 = open("MYDATA.TXT"). Write a Python statement to close this file.
6. What is the difference in file opening mode "a" and "w"?
7. What is the significance of adding '+' with file opening mode, with context to 'r+'?
8. What is the difference between readline() and readlines()?
9. What is the purpose of using flush() in file handling operations?
10. What is the advantage of opening file using 'with' keyword?
11. Write the output of the following statements for file "CORONA.TXT":
 - sr1 = _____ # to read first line of file
 - str2 = _____ # to read next line of file
 - str3 = _____ # to read remaining lines of file
12. Complete the missing statement using 'for' loop to print all the lines of file.
13. What is the difference in write() and writelines()?
14. Considering the content stored in file "WORLDCUP.TXT", write the output of the following Python statements:
 - print(f.read(2))

- `print(f.read(2))`
 - `print(f.read(4))`
15. Write a function in Python to count the number of lines in "POEM.txt" beginning from an uppercase character.
 16. Write a function in Python to read lines from file "POEM.txt" and count how many times the word "Corona" exists in the file.
 17. Write a function in Python to read lines from file "POEM.txt" and display all those words, which have two characters in it.
 18. Write a function COUNT() in Python to read contents from file "REPEATED.TXT", to count and display the occurrence of the word "Catholic" or "mother".
 19. Write a function dispS() in Python to read from text file "POEM.TXT" and display those lines which start with "S".
 20. Write a function COUNTSIZE() in Python to read the file "POEM.TXT" and display the size of the file.
 21. Write a Python function ATOEDISP() for the following requirements:
 - (I) Display "E" in place of all the occurrences of "A" in the word COMPUTER.
 - (II) Display "E" in place of all the occurrences of "A".
 22. Letter ____ is prefixed to store string in binary form.
 23. Write a Python statement to open a text file "DATA.TXT" in binary mode so that new contents can be written on it.
 24. Write a Python statement to open a text file "DATA.TXT" in binary mode so that new content can be added to the end of file.
 25. Write a Python statement to open a text file "DATA.TXT" in binary mode so that existing contents can be read from file.