

KENDRIYA VIDYALAYA PALAMU

SUMMER VACATION HOMEWORK

DATE – 08.05.2026 TO 16.06.2026

CLASS - VI

SUBJECT – ENGLISH

1. ****Day 1-5: Reading & Comprehension (Chapter: *Rama to the rescue or similar*)****
 - * Create a ****Story Map**** on an A4 sheet. Draw and label:
 - * ****Characters:**** Who is the story about?
 - * ****Setting:**** Where and when does the story happen?
 - * ****Problem:**** What is the main character's problem?
 - * ****Solution:**** How is the problem solved?
2. ****Day 6-8 Vocabulary & Grammar****
 - * Make a *****"Word Tree"*****. Choose 10 new words you learned from your textbook. Write each word, its meaning, and use it in a sentence of your own. Decorate your word tree with leaves and drawings.
3. ****Day 8-10 Creative Writing****
 - * Write a short paragraph (8-10 lines) on *****"My Favourite Season - Autumn."***** Describe what you see, hear, feel, and smell during this season.
4. Write 1 page daily English handwriting and 5 word - meaning daily.

SUBJECT – HINDI

प्रश्न 1 निम्नलिखित सभी विषयों पर लगभग 150-200 शब्दों में अनुच्छेद लिखिए-

- (1) गणतंत्र दिवस (2) विद्यार्थी जीवन में अनुशासन का महत्व
(3) मेरा प्रिय त्योहार-दीपावली (4) विश्व योग दिवस का महत्व (21 जून)

प्रश्न 2 अपने मित्र को जन्मदिन की बधाई देते हुए एक बधाई पत्र लिखिए।

प्रश्न 3 विद्यालय के प्राचार्य को तीन दिन के अवकाश हेतु एक प्रार्थना पत्र लिखिए।

प्रश्न 4 निम्नलिखित शब्दों के विलोम शब्द लिखिए-

उचित, आदर, वीर, अंधकार, कोमल, सुखद, शत्रु, अस्त, आय, संयोग, एक, सरल, मानव, दिन, शाम, रंक

प्रश्न 5 अपनी मल्हार पुस्तक में से कोई 2 कविताएँ लिखेंगे और याद भी करेंगे।

प्रश्न 6 MDP कार्य को अपने क्रमांक के अनुसार पूर्ण करें ।

नोट - सभी विद्यार्थी MDP को अलग फाइल में तैयार करें तथा ग्रीष्मकालीन छुट्टियों का गृहकार्य हिन्दी विषय की कॉपी में पूर्ण करें।

SUBJECT – MATHS

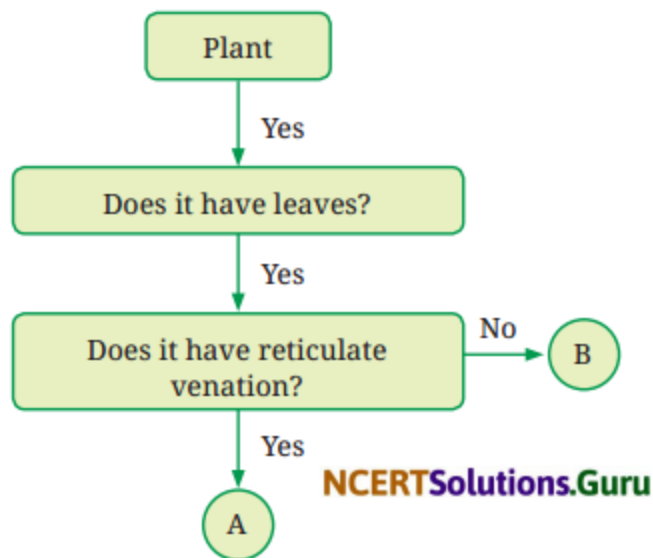
1. Write any four examples showing how Mathematics helps us in daily life.
2. Write the next three numbers in each sequence:
(a) 1, 3, 5, 7, ____, ____, ____
(b) 2, 4, 8, 16, ____, ____, ____
3. What are Triangular Numbers and Square Numbers? Explain with examples.
4. Find the sum of the first 10 odd numbers.
5. Find the value of:
 $1 + 2 + 3 + 4 + 3 + 2 + 1$
Also state which type of number it forms.
6. What is a Regular Polygon? Write the number of sides in a Pentagon, Hexagon, and Octagon.
7. Differentiate between a Point, a Line Segment, and a Ray.
8. Draw and label the following:
(a) Line
(b) Line Segment
(c) Ray
9. What is an Angle? Name the parts of an angle.
10. Draw the following types of angles:
(a) Acute Angle
(b) Right Angle
(c) Obtuse Angle
(d) Straight Angle
11. Identify the types of angles formed by the hands of a clock at 3 o'clock, 6 o'clock, and 9 o'clock.
12. Write five examples of Right Angles that you can observe in your home or classroom.

SUBJECT – SOCIAL SCIENCE

1. **Map work**
 - (i) **Label and locate states and union territories on India Map and paste in your notebook.**
 - (ii) **Label and locate Continents and Oceans on World Map and paste in your notebook.**
2. **What is a Map? What are the different types of Maps? Explain.**
3. **Write about a tourist place of India which you like the most.**
4. **What are the three components of Maps? Explain with examples.**
5. **What are the Latitudes and Longitudes. Explain with diagram.**
6. **Write about them-**
 - (i) Geologists (ii) Palaeontologists (iii) Anthropologists (iv) Archaeologists.
7. **Write about the fundamental rights and duties of Indian citizens given by the Indian Constitution.**
8. **What are the sources of History? Make a diagram of Sources of History. (Textbook Page no. 67)**
9. **Complete your Social Science MDP work. (Healthy Food and Nutrition)**

SUBJECT –SCIENCE

1. After all, to be a wise, person, you must be a “whys” person! Comment .
2. What is Science?
3. Analyse the flow chart. What can be examples of ‘A’ and ‘B’.



4. Look at the image of a mountain goat and a goat found in the plains. Point out the similarities and differences between them. What are the reasons for these differences?



(a) Mountain Goat



(b) Goat found in the plains

5. Based on the information in the table, find out examples of these plants for each group.

Group	Type of seed	Type of root	Examples
A	Dicot	Taproot	
B	Monocot	Fibrous roots	

- (a) What other similarity do plants of group A have?
- (b) What other similarity do plants of group B have?

6. MULTIDISCIPLINARY PROJECTS MDP 10 MARKS

THEME SOLAR ENERGY STUDENTS will describe construction and working principal for conversion of solar energy to electrical energy through photovoltaic cell

SUBJECT –SANSKRIT

१. अस्माकं कुटुम्बस्य किञ्चित् दशसदस्यानां सम्बन्ध वाचक पदानां संस्कृत भाषायां लिखत।
(हमारे परिवार के किन्हीं १० सदस्यों के सम्बन्ध वाचक पदों के नाम संस्कृत भाषा में लिखे।

२. संस्कृत भाषायां दश- दशपशुः- पक्षिणां नामानि चित्रसहितेन लिखत।
(संस्कृत भाषा में दश - दशपशु - पक्षियोंकेनामचित्र सहित लिखे।)

३. संस्कृतभाषायाम् 1 -10 पर्यन्तं सङ्ख्याशब्दान् लिखत।

*संस्कृत भाषा में 1-10 तक सङ्ख्या शब्दों में लिखो।

५. संस्कृते छात्रप्रतिज्ञां लिखित्वा स्मृत्वा स्मरत। (एषा श्रविता भविष्यति।

* संस्कृत में छात्र-प्रतिज्ञा लिखें वयाद करे। (यह आपसे सुनी जायेगी)

विषयसंवर्धन गतिविधि

१. दीपकं पुस्तकम् आदाय प्रथमपाठात् चित्रसहितेन उच्चारणस्थानसमेतं वर्णमालां लिखत। (पृष्ठसंख्या २६)

* दीपकम् पुस्तक के पहले पाठ सेचित्रसहित उच्चारण-स्थान के साथ वर्णमाला लिखो। (पृष्ठ सं. 26)

SUBJECT –COMPUTATIONAL THINKING AND AI

Chapter 1: Patterns in Mathematics

1. The following series follows a fixed pattern:

2, 3, 3, 4, 4, 4, 5, 5, 5, 5, 6, ...

If the pattern continues, determine how many times the number 9 appears in the NEXT 20 terms.

a) 3

b) 4

c) 7

d) 8

2. The following number series is based on a pattern. One term is incorrect. Identify the incorrect term.

2, 3, 6, 11, 18, 25, 38, 51, 66, 83

a) 11

b) 25

c) 51

d) 66

3. What will come in place of "?" in the given series?

1@3, #5#, 7@9, #11#, 13@15, ?, 19@21

a) @17@

b) #15#

c) 16#18

d) #17#

4. The first four terms of a block series are shown below.

If the pattern continues in the same manner, which term of the series will be the first to contain more than 20 blocks?



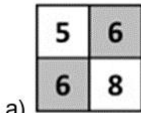
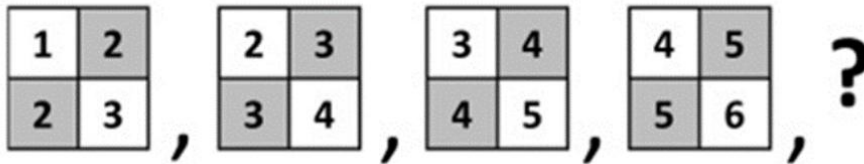
a) 5th term

b) 6th term

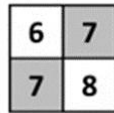
c) 7th term

d) 8th term

5. What will come in place of "?" in the given series?



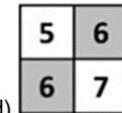
a)



b)

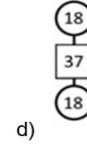
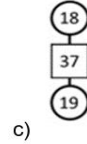
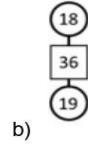
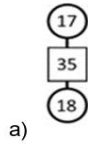
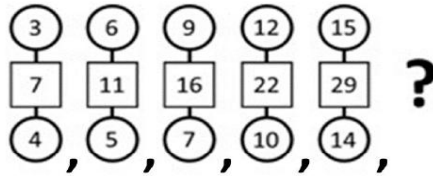


c)

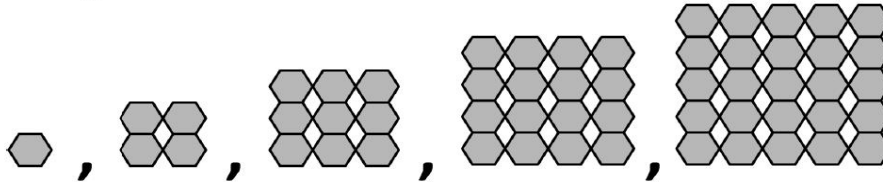


d)

6. What will come in place of "?" in the given series?



7. The first five terms of a series formed using grey hexagons and white diamonds are given below. If the same pattern continues, how many diamonds will be present in the term where the number of hexagons is 144?



a) 100

b) 135

c) 121

d) 169

8. Given below are two sets of numbers, P and Q. Which number from Set P can be interchanged with a number from Set Q such that both new sets follow a particular series or pattern?

Set P: (18, 22, 24, 27, 30)

Set Q: (21, 24, 27, 31, 36)

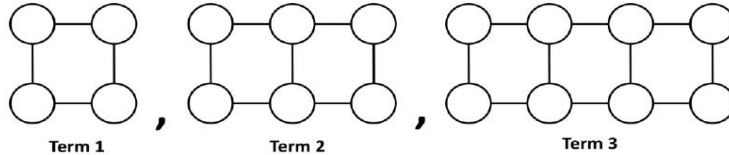
a) 18

b) 27

c) 22

d) 30

9. The first three terms of a series of circles are shown below. If the pattern continues in the same manner, how many circles will be there in term 91?



a) 184

b) 180

c) 194

d) 204

10. A pyramid has to be formed by combining cubes. Every level will have two fewer cubes than the level below it. If a pyramid is formed using at most 30 cubes, what is the maximum number of levels it can have?

a) 3

b) 4

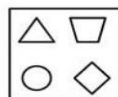
c) 5

d) 6

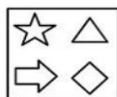


The Thinking Spot

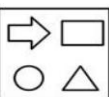
You must shoot exactly one item from each box, to eliminate it from its box. When an item is shot, the same item in the adjacent box is also eliminated. What is the **MAXIMUM** number of items that can be eliminated, after all 3 shots?



Box A



Box B



Box C

(a) 4

(b) 5

(c) 6

(d) 7



CLASS - VII
SUBJECT – ENGLISH

CLASS 7 – ENGLISH

SUMMER HOLIDAY HOMEWORK

MAY – JUNE 2026

Read • Write • Express • Excel! ♥

The more you read,
the more things
you will know! ♥





SECTION A – READING SKILLS

1. Daily Reading

Read 3–4 pages daily from a storybook/novel.
Focus on:

- ★ Pronunciation
- ★ Fluency
- ★ Understanding



2. Reading Response

After reading, write:

- ★ Summary of the chapter (6–8 lines)
- ★ 8–10 new words with meanings
- ★ 5 lines expressing your opinion



SECTION B – WRITING SKILLS

3. Paragraph Writing

Write 15–20 lines on:

- ★ A Day Without Technology
- ★ My Favourite Author



4. Story Writing

Write a creative story (20–25 lines).
Include:

- ★ Characters
- ★ Setting
- ★ Conflict and resolution



5. Letter Writing

Write:

- ★ Informal letter to a friend
- ★ Formal letter (complaint/application)

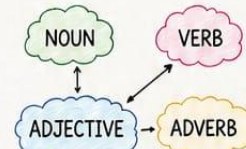


SECTION C – GRAMMAR PRACTICE

6. Parts of Speech

Write:

- ★ 25 nouns
- ★ 25 verbs
- ★ 20 adjectives
- ★ 15 adverbs



7. Tenses

Write 6 sentences each:

- ★ Present tense
- ★ Past tense
- ★ Future tense



8. Synonyms, Antonyms & Idioms

Write:

- ★ 20 synonyms
- ★ 20 antonyms
- ★ 10 idioms with meanings



SECTION D – CREATIVE ACTIVITIES

9. Poster Making

Topic:

- ★ Save Environment
- ★ Digital Awareness



10. Dialogue Writing

Write dialogues between:

- ★ Two friends discussing holidays
- ★ Teacher and student



SECTION E – SPEAKING SKILLS

11. Speech / Presentation

Prepare a short speech on:

- ★ Importance of Education
- ★ Role of Technology



12. Recitation

Learn and present 2 poems.
Use proper expression and voice modulation.



SECTION F – PROJECT WORK

13. Book Review

Read a book and write:

- ★ Title
- ★ Author
- ★ Characters
- ★ Summary
- ★ Your opinion



14. Creative Journal

Write daily:

- ★ One new word learned
- ★ One interesting event
- ★ One good deed



SUBMISSION GUIDELINES

- ✓ Maintain a neat and well-organized notebook/file.
- ✓ Use headings, colours, and creative presentation.
- ✓ Practice regularly.
- ✓ Submit after holidays.

Practice Today,
Perform Tomorrow,
Succeed Forever! ♥

WHY THIS HOMEWORK IS SPECIAL

- ★ Improves language and communication skills
- ★ Builds confidence in expression
- ★ Enhances creativity and thinking
- ★ Makes learning English enjoyable!



SUBJECT – HINDI

अनुच्छेद लिखिए –

- 1 मेरा देश महान 2 विज्ञान वरदान या अभिशान।
- 2 पत्र लेखन – जन्मदिन के उपहार के लिए धन्यवाद देते हुए चाचाजी को पत्र।
3. विलोम शब्द (कोई २०), पर्यायवाची (20), श्रुतिसमभिन्नार्थक (20), अनेक शब्दों के लिए एक शब्द (10) लिखिए।
4. मां कह एक कहानी कविता को चित्रकथा (कामिक्स) बनाकर लिखे ।
5. पंचतंत्र की कहानियां पढ़े व किसी एक कहानी का सार लिखे
6. 1 से 100 तक हिंदी में गिनती लिखे व याद करें।

SUBJECT – MATHS

1. Write any five examples showing the use of Arithmetic Expressions in daily life.

2. Fill in the blanks to make the expressions equal:

(a) $18 + 7 = \underline{\quad} + 10$

(c) $6 \times \underline{\quad} = 48$

(b) $45 - \underline{\quad} = 32$

(d) $72 \div \underline{\quad} = 9$

3. Arrange the following expressions in ascending order of their values:

(a) $45 + 15$

(c) 8×7

(b) $90 - 20$

(d) $120 \div 2$

4. Compare the following expressions using $>$, $<$, or $=$ without lengthy calculations:

(a) $345 + 210 \underline{\quad} 344 + 212$

(b) $500 - 125 \underline{\quad} 501 - 126$

(c) $75 + 25 \underline{\quad} 50 + 50$

5. What are terms in an expression? Identify the terms in the following:

(a) $15 - 8 + 6$

(b) $7 \times 9 + 4$

(c) $20 - 5 + 3 \times 2$

6. Find the value of the following expressions:

(a) $36 - 8 + 12$

(b) $48 - 4 \times 5 + 10$

(c) $7 \times 6 - 5 \times 4$

7. Explain the use of brackets in Arithmetic Expressions with one example.

8. Remove the brackets and simplify:

(a) $25 + (12 - 5)$

(b) $40 - (15 + 10)$

(c) $60 - (20 - 8)$

9. Add brackets in the correct places so that the expressions give the indicated value:

(a) $20 - 5 + 3 = 12$

(b) $30 - 8 - 2 = 24$

10. Write a real-life situation for each expression and find its value:

(a) $6 \times 15 - 10$

(b) $4 \times 20 + 3 \times 5$

11. A movie ticket costs ₹120 for an adult and ₹60 for a child. Write expressions and find the total cost for:

(a) 3 adults and 2 children

(b) 5 adults and 4 children

12. Using the numbers 2, 4, and 6 along with the symbols $+$, $-$, and brackets, make at least four different expressions having different values.

SUBJECT – SCIENCE

1. Why are some fruits sour?
2. Are there any substances whose odours change on adding acidic or basic substances?
3. If the factory waste is acidic in nature, what could be done to save the fish in the lake?
4. Manya is blindfolded. She is given two unknown solutions to test and determine whether they are acidic or basic. Which indicator should Manya use to test the solutions and why?
5. Three liquids are given to you. One is vinegar, another is a baking soda solution, and the third is a sugar solution. Can you identify them only using turmeric paper? Explain.
6. All the substances in Group A – lemon juice, amla juice, tamarind water, vinegar and orange juice are edible. They all have a sour taste because they contain acids and are acidic in nature. The common acids found in these substances are:

7. PREPARE MDP 10 MARKS

THEME ENVIRONMENTAL POLLUTION CAUSES AND CONSEQUENCE OF AIR AND WATER POLLUTION

SUBJECT – SOCIAL SCIENCE

Section A: MCQs (Multiple Choice Questions)

1. What is the main source of history?
(a) Internet (b) Manuscripts (c) Television (d) Films
2. Who studies the past?
(a) Scientist (b) Historian (c) Doctor (d) Engineer
3. Which of the following is a feature of medieval period?
(a) Industrial growth (b) New religions and kingdoms (c) Space travel (d) Digital economy
4. Which crop grows well in fertile soil with water?
(a) Rice (b) Tea (c) Coffee (d) Rubber
5. What is the main function of Parliament?
(a) Make laws (b) Teach students (c) Farming (d) Trade
6. Democracy means:
(a) Rule by king (b) Rule by people (c) Rule by army (d) Rule by judges
7. What is a startup?
(a) Old business (b) New business idea (c) Farming method (d) Government scheme
8. Which institution works at village level?
(a) Parliament (b) Gram Panchayat (c) Supreme Court (d) President

Section B: Very Short Answer Questions

9. What are manuscripts? Se
10. Define medieval period.
11. What is agriculture?
12. What is democracy?
13. What is a startup?
14. Who are historians?

Section C: Short Answer Questions

15. Why do historians divide history into periods?
16. Explain the importance of agriculture in early societies.
17. Describe the role of Parliament.
18. What is the Panchayati Raj system?

19.Explain entrepreneurship with an example.

20.Section D: Match the Following

- A.Manuscripts - Written by hand
- B.Democracy - Rule by people
- C.Startup - New business
- D.Gram Panchayat - Village governance
- E.Historian - Studies past

21.Section E: Map-Based Questions

- A.World Map: Equator, Tropic of Cancer, Tropic of Capricorn, Prime Meridian,Pacific Ocean,Atlantic Ocean,Indian Ocean
- B.India Map: New Delhi, Bengaluru, Mumbai,Kolkata,Chennai

SUBJECT – SANSKRIT

१. संस्कृते छात्रप्रतिज्ञां लिखित्वा स्मरत। (एषा श्रवितम्भविष्यति।

* संस्कृत में छात्र-प्रतिज्ञा लिखें व याद करें। (यह आपसे सुनी जायेगी)

२. संस्कृतभाषायाम् १-१०० पर्यन्तं सङ्ख्याशब्दान् लिखत।

* संस्कृतभाषा में 1-100 तक सङ्ख्या शब्दों में लिखो।

३. संस्कृत भाषायां चित्र सहितेन वर्णानाम् उच्चारण स्थानानि लिखत।

* संस्कृत भाषा में चित्र सहित वर्णों का उच्चारण स्थान लिखिए।

४. अव्ययस्य परिभाषां दत्त्वा किमपि १० अव्ययानां अर्थसहितं उदाहरणं लिखत।

* अव्यय की परिभाषा देते हुए किन्हीं १० अव्ययों का अर्थ सहित उदाहरण लिखिए।

५. गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि संस्कृतभाषायां लिखत।

गद्यांश - रामः एकः बुद्धिमान् छात्रः अस्ति। सः प्रतिदिनं प्रातःकाले विद्यालयं गच्छति। विद्यालये सः मनोयोगेन अध्ययनं करोति। तस्य गुरुवः अपि तं प्रशंसन्ति। रामः अवकाशे क्रीडति अप्रिक्रिन्तु अध्ययनं प्रति सदा तत्परः भवति। अतः सः सर्वेषां प्रियः छात्रः अस्ति।

प्रश्नाः:

1. रामः कः अस्ति?
2. रामः कदा विद्यालयं गच्छति?
3. विद्यालये रामः किं करोति?
4. के रामं प्रशंसन्ति?
5. रामः सर्वेषां प्रियः छात्रः कुतः अस्ति?

विषय संवर्धन गतिविध -

१. दीपकं पुस्तकस्य प्रथमपाठात् राष्ट्रध्वजस्य चित्रं निर्मितवान् ध्वजस्य वर्णानां विशेषता संस्कृत भाषायां लिखत।

दीपकम् पुस्तक के प्रथम पाठ से राष्ट्रध्वज का चित्र बनाते हुए उसके रंगों की विशेषता संस्कृत भाषा में लिखिए।

SUBJECT – COMPUTATIONAL THINKING AND AI

Chapter 1: Large Numbers Around Us

1. 'X' is a 6-digit number formed using exactly three different digits. One of the digits appears once, another appears twice, and the third appears three times. When 2 lakhs are added to 'X', the resulting number 'Y' is still a 6-digit number. What is the highest possible value of 'Y'?

a) 977889 b) 999999 c) 999988 d) 999887

2. What is the product of all the numbers on a telephone dial-pad?

a) 12345 b) 32451 c) 362880 d) None of these

3. Sam forms two different 6-digit numbers, X and Y, using digits from 0 to 9 (without repetition within a number). Exactly two digits are common between X and Y.

- The digit 9 appears in the same position in both numbers
- Y ends with 0, has only one even digit, and its digits are arranged in descending order
- 6 is present in X, and the number of even digits on its left is equal to the number of even digits on its right

If X is the largest possible number, what is the difference between X and Y?

a) 9310 b) 9210 c) 8420 d) 8310

4. If each of the rows follows the same theme, what will come in place of "?"

$$\boxed{1 \text{ } \bullet \text{ } 8 \text{ } \bullet \text{ } 2 \text{ } \bullet} > \boxed{1 \text{ } \bullet \text{ } \bullet \text{ } 8 \text{ } 2 \text{ } \bullet}$$

$$\bullet \leq 7$$

$$\boxed{\bullet \text{ } \bullet \text{ } 3 \text{ } 5 \text{ } \bullet \text{ } 7} < \boxed{\bullet \text{ } 3 \text{ } 5 \text{ } \bullet \text{ } \bullet \text{ } 7}$$

$$\bullet \leq 3$$

$$\boxed{\bullet \text{ } 9 \text{ } 6 \text{ } \bullet \text{ } 3 \text{ } \bullet} > \boxed{\bullet \text{ } 9 \text{ } 6 \text{ } \bullet \text{ } \bullet \text{ } 3}$$

$$\bullet \leq 2$$

$$\boxed{\bullet \text{ } \bullet \text{ } 5 \text{ } 0 \text{ } 6 \text{ } \bullet} < \boxed{\bullet \text{ } 5 \text{ } \bullet \text{ } 6 \text{ } 0 \text{ } \bullet}$$

?

$$\bullet \leq 6$$

a)

$$\bullet \leq 4$$

b)

$$\bullet \leq 5$$

c)

$$\bullet \leq 9$$

d)

5. What will come in place of "?"

Crore - re → 00000

Million - ion → 000

Thousand - d → 00

Billion - llion → 0000

Lakh - kh → ?

a) 0

b) 00

c) 000

d) 0000

6. Six number tokens are given. Rearrange them to form a 6-digit number such that:
- The difference between the first and last digits is as small as possible
 - The hundreds digit is double the thousands digit
 - No consecutive digits appear next to each other
 - All given tokens must be used exactly once
- How many different 6-digit numbers between 2 lakhs and 8 lakhs can be formed under these conditions?
- LEFT **2 5 8 1 4 7** RIGHT
- Number Formed: _____
- a) 1 b) 2 c) 3 d) More than 3
-
7. Two five-digits numbers are formed using different digits from 0 to 9. Both numbers have some digits missing, as shown below:
- Number 1: _ 1 _ 9 _
- Number 2: _ 4 _ 6 _
- No two consecutive digits of the number series are present in the same number.
- What is the maximum possible difference of the numbers formed?
- a) 47525 b) 52663 c) 52429 d) 46733
-
8. A, B, C, D, and E each have a different number card among one hundred, one thousand, ten thousand, one lakh, and ten lakhs.
- C has an even number of zeros in his number
 - A's number has 2 zeros less than C's number
 - D's number has 4 zeros more than A's number
 - The number of zeros in B is more than that of A but less than C
- Which number card does E have?
- a) One thousand b) Ten thousand c) One lakh d) Ten lakh
-
9. 4 friends, Alex, Bob, Calvin and David have a different profession – Doctor, Lawyer, Cricketer, and Engineer and earn a different salary – ₹40,000, ₹50,000, ₹60,000 and ₹70,000 per year. (not necessarily in the same order)
- The cricketer earns the highest
 - Alex earns more than Bob, while the doctor earns more than David, who is the engineer
 - Bob is the lawyer, and neither Bob nor David has an exact salary of ₹50,000
- Which of these options shows the correct profession and salary of Calvin?
- a) Cricketer - ₹70,000 b) Doctor - ₹60,000 c) Doctor - ₹50,000 d) Doctor - ₹40,000
-
10. The following are the clues to the 6-digit password of Nisha's laptop:
- 35 tens
31 thousands
25 ones
423 hundreds
14 ten thousands
- What is Nisha's password?
- a) 213625 b) 203675 c) 212375 d) 213675



The Thinking Spot

Columns A, B, and C contain 3 numbers each, such that:

- The number of times each number appears in all 3 columns combined, is equal to its value (e.g., 2 appears twice, 3 appears thrice, etc.)
- Each column contains AT LEAST TWO different numbers

If column A is the only column with THREE different numbers, then which column has the highest sum?

A	B	C
○	②	○
○	○	○
④	○	③

- (a) Column A
(c) Column C

- (b) Column B
(d) Both columns B and C



CLASS - VIII

SUBJECT – ENGLISH

SECTION A – READING SKILLS

1. Task 1: Daily Reading

Read 4–5 pages daily from a novel/storybook.

Focus on:

- ★ Fluency and pronunciation
- ★ Understanding theme and characters



2. Task 2: Reading Response

After reading, write:

- ★ Summary (8–10 lines)
- ★ 10–12 new words with meanings
- ★ 5–6 lines of personal reflection



SECTION B – WRITING SKILLS

3. Task 3: Paragraph Writing

Write 20–25 lines on:

- ★ Role of Technology in Life
- ★ A Memorable Journey



4. Task 4: Story Writing

Write a creative story (25–30 lines).

Include:

- ★ Characters
- ★ Setting
- ★ Conflict
- ★ Resolution



5. Task 5: Letter Writing

Write:

- ★ Informal letter (to a friend)
- ★ Formal letter (complaint/application)



SECTION C – GRAMMAR PRACTICE

6. Task 6: Parts of Speech

Write:

- ★ 30 nouns
- ★ 30 verbs
- ★ 20 adjectives
- ★ 20 adverbs



7. Task 7: Tenses

Write 8 sentences each:

- ★ Present
- ★ Past
- ★ Future



8. Task 8: Vocabulary Building

Write:

- ★ 25 synonyms
- ★ 25 antonyms
- ★ 15 idioms with meanings



SECTION D – CREATIVE ACTIVITIES

9. Task 9: Poster Making

Topic:

- ★ Save Environment
- ★ Digital Safety



10. Task 10: Dialogue Writing

Write dialogues:

- ★ Between two friends on studies
- ★ Teacher and student



SECTION E – SPEAKING SKILLS

11. Task 11: Speech / Presentation

Prepare a speech on:

- ★ Importance of Reading
- ★ Impact of Social Media



12. Task 12: Recitation

Learn and present 2 poems.

→ Use proper expression and voice modulation.



SECTION F – PROJECT WORK

13. Task 13: Book Review

Read a book and write:

- ★ Title
- ★ Author
- ★ Characters
- ★ Summary
- ★ Personal opinion



14. Task 14: Creative Journal

Write daily:

- ★ One new word
- ★ One interesting experience
- ★ One positive action



SUBMISSION GUIDELINES

- ✓ Maintain a neat and well-organized notebook/file.
- ✓ Use headings, colours and creative presentation.
- ✓ Practice regularly.
- ✓ Submit after holidays.



Remember!

- ♥ Be curious
- ♥ Be consistent
- ♥ Be creative
- ♥ Be confident



WHY THIS HOMEWORK IS SPECIAL

- ★ Improves communication skills
- ★ Builds confidence
- ★ Develops creativity and critical thinking
- ★ Makes learning meaningful and enjoyable



READ MORE... WRITE BETTER... EXPRESS YOURSELF!

SUBJECT – HINDI

प्रश्न 1 निम्नलिखित सभी विषयों पर लगभग 200-250 शब्दों में अनुच्छेद लिखिए-

- (1) राष्ट्रीय खेल-हॉकी (2) मेरा प्रिय पालतू जानवर-तोता
(3) शिक्षक दिवस (5 सितंबर) (4) विश्व योग दिवस का महत्त्व (21 जून)

प्रश्न 2 अपने मित्र को कक्षा में प्रथम आने पर बधाई देते हुए एक पत्र लिखिए।

प्रश्न 3 विद्यालय के प्राचार्य को चरित्र प्रमाण-पत्र प्राप्त करने हेतु एक प्रार्थना पत्र लिखिए।

प्रश्न 4 निम्नलिखित शब्दों के वचन बदलकर लिखिए-

संतरा, पपीता, गमला, ताला, कपड़ा, रास्ता, छाता, बछड़ा, बकरा, साला, भानजा, भतीजा, रात, कहानी, दरी

5. MDP कार्य को अपने क्रमांक के अनुसार पूर्ण करें।

नोट - सभी विद्यार्थी MDP को अलग फाइल में तैयार करें तथा ग्रीष्मकालीन छुट्टियों का गृहकार्य हिन्दी विषय की कॉपी में पूर्ण करें।

SUBJECT – MATHS

1. Explain why only perfect square numbered lockers remain open in the locker puzzle.

2. Write the first 15 perfect square numbers and identify their units digits.

3. Which of the following numbers are perfect squares? Give reasons:

- (a) 144 (b) 225 (c) 378 (d) 784

4. Find the square roots of the following numbers:

- (a) 64 (b) 169 (c) 324 (d) 576

5. Express the following numbers as the sum of consecutive odd numbers:

- (a) 25 (b) 49 (c) 81

6. Find the next two terms in each pattern:

- (a) 1, 4, 9, 16, 25, ____, ____ (b) $2^1, 2^2, 2^3, 2^4, _, _$

7. Express the following in exponential form:

- (a) $3 \times 3 \times 3 \times 3 \times 3$ (b) $a \times a \times b \times b \times b$ (c) $2 \times 2 \times 2 \times 5 \times 5$

8. Simplify the following using laws of exponents:

- (a) $2^4 \times 2^3$ (b) $5^6 \div 5^2$ (c) $(3^2)^3$ (d) $10^{-2} \times 10^5$

9. A sheet of paper is 0.001 cm thick. Its thickness doubles after every fold. Write the exponential expression for its thickness after: (a) 5 folds (b) 10 folds (c) n folds

10. A pond becomes completely covered with lotus flowers on the 30th day, and the number of lotuses doubles every day. On which day was the pond half covered? Explain your answer.

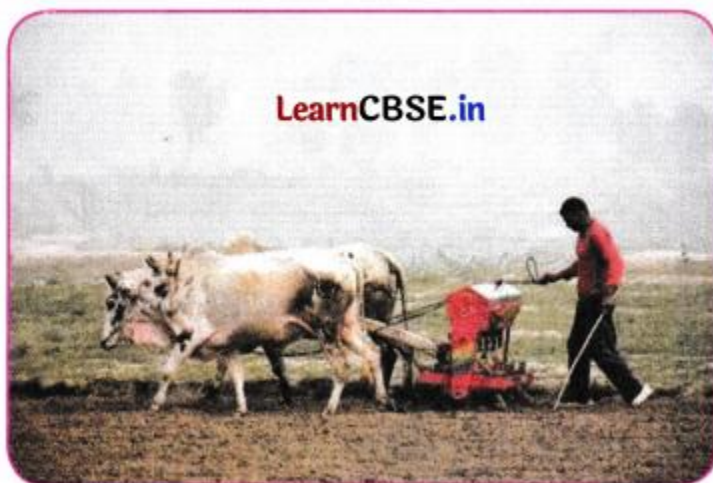
11. A 4-digit lock uses digits from 0 to 9. How many different passwords are possible? Express your answer using powers of 10.

12. Write the following numbers in expanded form using powers of 10:

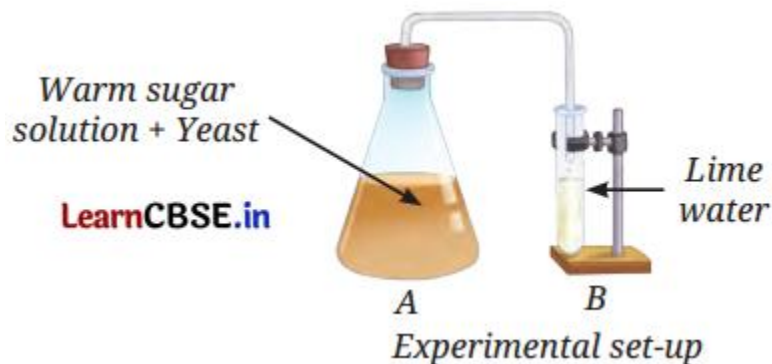
- (a) 4,582 (b) 56,103 (c) 703.45

SUBJECT – SCIENCE

1. Why has nature created such a vast variety of plants and animals?
- 2 What does it mean to investigate like a scientist?
- 3 What is the importance of curiosity in Science?
- 4 What is a systematic investigation
- 5 A farmer was planting wheat crops in his field. He added nitrogen-rich fertiliser to the soil to get a good yield of crops. In the neighbouring field, another farmer was growing bean crops, but she preferred not to add nitrogen fertiliser to get healthy crops. Can you think of the reasons?



6. Observe the set-up given in Figure and answer the following questions.



- (i) What happens to the sugar solution in flask A?
- (ii) What do you observe in test tube B after four hours? Why do you think this happened?
- (in) What would happen if yeast were not added to flask A?

7. Group the diseases shown in the images as communicable or non-communicable.



Cold and flu



Typhoid



Diabetes



Asthma



Chickenpox

LearnCBSE.in

- 8 Your uncle has started smoking just to fit in with his friends, even though it is well known that smoking can seriously harm health and even cause death.

1. What would you say to him to make him stop, without being rude?
2. What would you do if your friend offered you a cigarette at a party?
3. How can schools help prevent students from indulging in such harmful habits?

9. When our body encounters a pathogen for the first time, the immune response is generally low, but on exposure to the same pathogen again, the immune response by the body is much more compared to the first exposure. Why is it so?

10. PREPARE MDP ON CROP PRODUCTION IMPROVED AGRICULTURAL PRACTICE FOR CROP PRODUCTION

SUBJECT – SANSKRIT

*राम, लता, नदी, गुरु शब्द रूपाणि लिखत।

*किम्शब्दः (पुँल्लिङ्ग-स्त्रीलिङ्ग-नपुंसकलिङ्गाः)लिखत।

*संस्कृत प्रतिज्ञां लिखित्वा अभ्यासं कुरुत।

* संख्यावाची शब्दः 1 - 100पर्यन्तं संस्कृत भाषायां लिखत।

* सचित्र वर्णानाम् उच्चारणस्थानानि संस्कृत भाषायां लिखत।
(वर्णो काउच्चारण स्थान चित्रसहित संस्कृत भाषा में लिखे)

विषय संवर्धन गतिविधि

* संगच्छद्वं संवदध्वं पाठात् श्लोकान् भावार्थसहितं लिखत।

* समानता व एकता पर आधारित आपकी पाठ्य पुस्तक के अतिरिक्त कोई भी 5 श्लोकलिखे।

SUBJECT – SOCIAL SCIENCE

Section A: MCQs

1. Who were the first Europeans to arrive in India for trade?
a) British
b) Portuguese
c) French
d) Dutch
2. The East India Company was established in:
a) 1498
b) 1600
c) 1757
d) 1857
3. Who discovered the sea route to India?
a) Columbus
b) Vasco da Gama
c) Magellan
d) Marco Polo
4. The Battle of Plassey was fought in:
a) 1764
b) 1757
c) 1857
d) 1707
5. Who was the Nawab of Bengal during the Battle of Plassey?
a) Tipu Sultan
b) Siraj-ud-Daulah
c) Mir Jafar
d) Bahadur Shah
6. Which system replaced the Nawabs after British control?
a) Democracy
b) Company rule
c) Republic
d) Monarchy

Section B: Very Short Answer Questions

1. What is mercantilism?
2. Who was Vasco da Gama?
3. What is a trading company?
4. Define Battle of Plassey.
5. What is colonialism?

Section C: Short Answer Questions

1. Why did European companies come to India?
2. Explain the importance of the Battle of Plassey.
3. What were the main goods traded by the East India Company?
4. How did the British expand their power in India?
5. What changes did British rule bring in administration?

Section D: Match the Following

Vasco da Gama -	Sea route to India
Battle of Plassey -	1757
East India Company -	British traders
Siraj-ud-Daulah -	Nawab of Bengal
Colonialism -	Foreign rule

Section E: Map-Based Questions

1. Mark on India map: Bengal, Plassey, Kolkata, Awadh, Mysore, Hyderabad, Madras, Bombay
2. Mark on world map: India, Portugal, England, France

SUBJECT –COMPUTATIONAL THINKING AND AI

Chapter 1: A Square and a Cube

1. In the following grid, all the circles follow the same theme. What will be the value of $A + B$?

4		5	
25	3	106	9
13		117	
2		B	
	A	85	

- a) 12 b) 14 c) 13 d) 15

2. Sam writes a list of natural numbers. The list has three perfect cubes and three perfect squares. If no number in the list has more than two digits, what is the MINIMUM number of distinct numbers he must have written?

- a) 3 b) 4 c) 5 d) 6

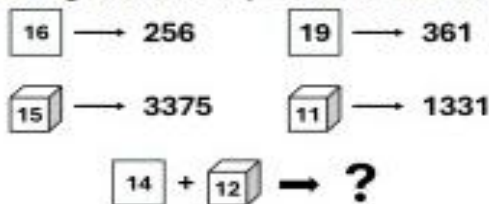
3. If AB is a two-digit number whose cube is in the form of a 4-digit number “__ __ __ C” such that $A < C < B$, how many different values can C have?

- a) 2 b) 3 c) 4 d) More than 4

4. $56 \times k$ is a perfect cube where k is a natural number. What could be the smallest possible value of k ?

- a) 36 b) 49 c) 56 d) 72

5. Each geometrical shape denotes a certain operation. What will come in place of “?”



- a) 2888 b) 1914 c) 1924 d) 340

6. XYZ is a 3-digit number such that it is the square of a multiple of 5. What will be the HIGHEST possible remainder of $(XYZ)/100$?

- a) 10 b) 15 c) 20 d) 25

7. A class teacher wrote the following pattern on the board, where an expression is written after the "=" sign in each row. She then asked the class to find the expression for $13^3 - 12^3$. Which DIGIT appears the HIGHEST number of times in the expression that denotes $13^3 - 12^3$?

$$2^3 - 1^3 = 1 + 2 \times 1 \times 3$$

$$3^3 - 2^3 = 1 + 3 \times 2 \times 3$$

$$4^3 - 3^3 = 1 + 4 \times 3 \times 3$$

Find the value of $13^3 - 12^3$

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

8. Fill in the grid with the squares and cubes of digits 2 to 5 such that:

- Each square/cube number appears twice
- Both square and cube of the same number cannot appear in the same row/column
- Same numbers do not appear diagonally

What is the maximum possible sum that can be obtained by the cells present in the configuration of Shape A (without rotation)?

64			4
27	125		
8		9	25
		16	

Shape A

GRID

- a) 197 b) 161 c) 193 d) 216

9. The image below shows a logic machine, where numbers move from Column to Column (starting from column 1 as input and reach column 4) through the tunnel, where they change in a different way, each time. What would be the sum of A, B, and C?

Column 1	Column 2	Column 3	Column 4
4	15	6	216
22	583	15	3375
11	120	8	27
7	A	B	C

- a) 2259 b) 1795 c) 180 d) 1788

10. Every column follows a certain rule. What number should come in place of "?"

CL1	CL2	CL3	CL4
16	28	25	12
9	7	16	27
12	14	20	?

- a) 17 b) 18 c) 19 d) 21



The Thinking Spot

Boxes are stacked in four columns A, B, C, and D, such that:

- Each box is labelled with a number from 1, 2, and 3, with labels on some of the boxes already shown in the image given below
- No two adjacent boxes in the same column are labelled with the same number
- No two adjacent columns have the same number on the topmost box
- For every column, the sum of the numbers labelled on the topmost and bottommost block is equal

In the shaded boxes, which of these numbers will occur the HIGHEST number of times?



- a) 1 b) 2 c) 3 d) All of them occur equally



CLASS - IX

SUBJECT – ENGLISH

SECTION A – READING SKILLS

1. Task 1: Novel Reading

Read any one novel / storybook.

After reading, write:

- ★ Summary (150–200 words)
- ★ Character sketch of main character
- ★ Theme / message of the story



2. Task 2: Extract-Based Practice

Select any passage from your reading.

Write:

- ★ 3 comprehension questions
- ★ 2 vocabulary questions
- ★ 1 inference-based question



SECTION B – WRITING SKILLS

3. Task 3: Descriptive Paragraph

Write 150–200 words on:

- ★ A Place You Visited
- ★ A Memorable Day



4. Task 4: Story Writing

Write a creative story (200–250 words).

Include:

- ★ Clear beginning, middle, end
- ★ Conflict and resolution



5. Task 5: Formal Writing

Write:

- ★ Letter to Editor (on social issue)
- ★ Article writing (on environment / technology)



SECTION C – GRAMMAR & LANGUAGE

6. Task 6: Tenses & Modals

Write 10 sentences using:

- ★ Different tenses
- ★ Modals



7. Task 7: Editing & Omission

Prepare 2 passages with errors.
Correct them.



8. Task 8: Vocabulary Building

Write:

- ★ 30 new words with meanings
- ★ 15 idioms with sentences



SECTION D – SPEAKING & LISTENING

9. Task 9: Speech / Presentation

Prepare a speech on:

- ★ Role of Youth in Society
- ★ Digital Life vs Real Life



10. Task 10: Listening Activity

Watch any educational video.

Write:

- ★ Key points
- ★ Your understanding



SECTION E – CREATIVE & APPLICATION

11. Task 11: Poster / Infographic

Make a poster / infographic on:

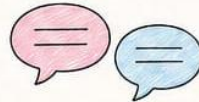
- ★ Climate change
- ★ Save environment
- ★ Cyber safety



12. Task 12: Dialogue Writing

Write a dialogue between:

- ★ Two students discussing exams
- ★ Parent and child on career choices

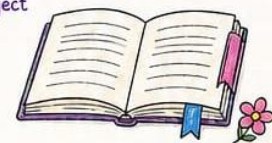


SECTION F – PROJECT WORK

13. Task 13: Book Review Project

Read one book and prepare:

- ★ Title
- ★ Author
- ★ Characters
- ★ Plot summary
- ★ Personal opinion



14. Task 14: Daily Reflection Journal

Write daily:

- ★ One new word
- ★ One interesting event
- ★ One thought / opinion



SUBMISSION GUIDELINES

- ✓ Maintain a well-organized file / notebook.
- ✓ Use headings, neat handwriting and creativity.
- ✓ Focus on original thinking (no copying).
- ✓ Submit after holidays.



WHY THIS HOMEWORK IS SPECIAL

- ♥ Builds communication skills
- ♥ Enhances creativity
- ♥ Develops critical thinking
- ♥ Connects English with real life



REMEMBER

- ★ Be regular
- ★ Be sincere
- ★ Be curious
- ★ Read more, write more, learn more!



READ TODAY, LEAD TOMORROW! ♥

SUBJECT – HINDI

प्रश्न 1 उपसर्ग और प्रत्यय की परिभाषा बताते हुए उनमें अन्तर उदाहरण सहित समझाइए।

प्रश्न 2 संज्ञा, सर्वनाम, विशेषण और क्रिया की परिभाषा बताते हुए उसके भेद उदाहरण सहित समझाइए।

प्रश्न 3 वाक्य की परिभाषा बताते हुए अर्थ के आधार पर उसके भेद व दो-दो उदाहरण लिखकर समझाइए।

प्रश्न 4 अलंकार की परिभाषा बताते हुए अनुप्रास, यमक और श्लेष अलंकार के बारे में बताते हुए दो-दो उदाहरण लिखकर समझाइए।

प्रश्न 5 अपने मित्र को निबंध प्रतियोगिता में प्रथम आने पर बधाई देते हुए एक पत्र लिखिए।

प्रश्न 6 विद्यालय के प्राचार्य को खेल सामग्री उपलब्ध कराने हेतु एक प्रार्थना पत्र लिखिए।

प्रश्न 7 बस यात्रा के दौरान दो मित्रों (राम व श्याम) के बीच की गई बातचीत को 180 शब्दों में एक संवाद लिखिए।

प्रश्न 8 निम्नलिखित सभी विषयों पर संकेत बिंदुओं के आधार पर लगभग 150-250 शब्दों में अनुच्छेद लिखिए :

(i) साइबर सुरक्षा : जागरूकता ही समाधान

***साइबर सुरक्षा का अर्थ *वर्तमान में चर्चा का कारण *जागरूकता का प्रभाव**

(ii) स्वस्थ जीवन-शैली - *स्वस्थ जीवन-शैली की आवश्यकता

*स्वस्थ आदतें जिनका पालन किया जाना चाहिए

(iii) एक यादगार पारिवारिक अवकाश -

***कैसे मनाया? *यादगार क्यों है? * पारिवारिक अवकाश का महत्त्व**

प्रश्न 9 प्रोजेक्ट कार्य

क्रमांक प्रश्न

1 *मुंशी प्रेमचंद* के *कृतित्व (कार्य एवं योगदान) एवं व्यक्तित्व* पर विस्तार पूर्वक प्रकाश डालते हुए जीवन परिचय दे' हुए *सचित्र प्रोजेक्ट* बनाइए। * (शब्द सीमा - 1500)*

2 भारत के किन्हीं 5 प्राकृतिक सौन्दर्य से युक्त स्थानों का वर्णन करते हुए सचित्र प्रोजेक्ट बनाइये।
(शब्द सीमा - 2500)

3 अपने परिवेश के किन्हीं 5 पक्षियों के बारे में विस्तारपूर्वक जानकारी प्राप्त करते हुए सचित्र प्रोजेक्ट तैयार कीजिए। *('शब्द सीमा - 2500)*

4 भारत देश में अपने अद्भुत योगदान से देश को आगे बढ़ाने में मदद पहुँचाने वाली किन्हीं 5 नारी पात्रों का सचित्र वर्णन करते हुए प्रोजेक्ट बनाइये। *(शब्द सीमा - 2500)*

5 पराधीन भारत की कौन-कौन सी जेलें मशहूर थीं, उनमें स्वतंत्रता सेनानियों को किस-किस तरह की यातनाएं दी जाती थी? तीन जेलों की जानकारी प्राप्त कर प्रोजेक्ट तैयार कीजिए। * (शब्द सीमा - 3000) *

नोट- सभी विद्यार्थी ध्यान दें —

परियोजना कार्य (Project Work) के प्रत्येक प्रश्न को अलग-अलग फाइल में तैयार करें।

इसके अतिरिक्त, ग्रीष्मकालीन अवकाश को हिन्दी विषय के रजिस्टर में ही करें।

SUBJECT – MATHS

EXERCISE SET 1.1

Fig. 1.3 shows Reiaan's room with points OABC marking its corners. The x- and y-axes are marked in the figure. Point O is the origin.

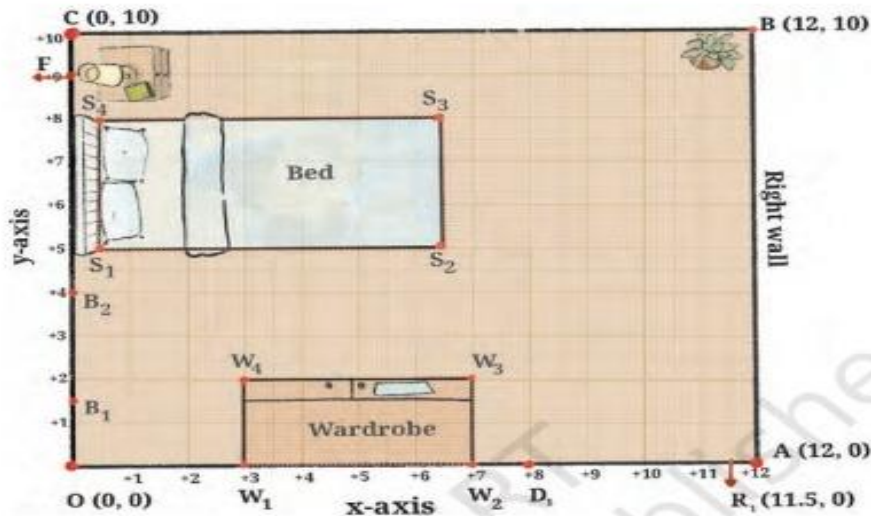


Fig. 1.3

Referring to Fig. 1.3, answer the following questions:

- If D_1R_1 represents the door to Reiaan's room, how far is the door from the left wall (the y-axis) of the room? How far is the door from the x-axis?
- What are the coordinates of D_1 ?
- If R_1 is the point (11.5, 0), how wide is the door? Do you think this is a comfortable width for the room door? If a person in a wheelchair wants to enter the room, will he/she be able to do so easily?
- If $B_1(0, 1.5)$ and $B_2(0, 4)$ represent the ends of the bathroom door, is the bathroom door narrower or wider than the room door?

EXERCISE SET 1.2

On a graph sheet, mark the x-axis and y-axis and the origin O. Mark points from $(-7, 0)$ to $(13, 0)$ on the x-axis and from $(0, -15)$ to $(0, 12)$ on the y-axis. (Use the scale $1 \text{ cm} = 1 \text{ unit}$.) Using Fig. 1.5, answer the given questions.

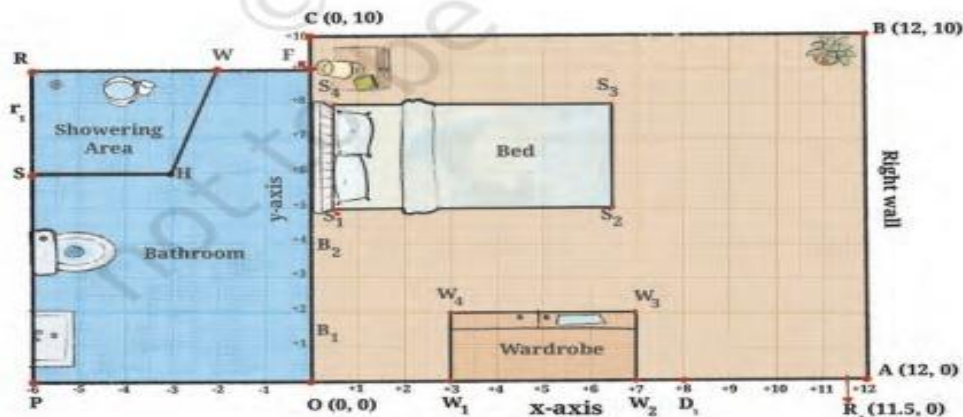


Fig. 1.5

1. Place Reiaan's rectangular study table with three of its feet at the points (8, 9), (11, 9) and (11, 7).
 - (i) Where will the fourth foot of the table be?
 - (ii) Is this a good spot for the table?
 - (iii) What is the width of the table? The length? Can you make out the height of the table?
2. If the bathroom door has a hinge at B_1 and opens into the bedroom, will it hit the wardrobe? Are there any changes you would suggest if the door is made wider?
3. Look at Reiaan's bathroom.
 - (i) What are the coordinates of the four corners O, F, R, and P of the bathroom?
 - (ii) What is the shape of the showering area SHWR in Reiaan's bathroom? Write the coordinates of the four corners.
 - (iii) Mark off a $3 \text{ ft} \times 2 \text{ ft}$ space for the washbasin and a $2 \text{ ft} \times 3 \text{ ft}$ space for the toilet. Write the coordinates of the corners of these spaces.
4. Other rooms in the house:
 - (i) Reiaan's room door leads from the dining room which has the length 18 ft and width 15 ft. The length of the dining room extends from point P to point A. Sketch the dining room and mark the coordinates of its corners.
 - (ii) Place a rectangular $5 \text{ ft} \times 3 \text{ ft}$ dining table precisely in the centre of the dining room. Write down the coordinates of the feet of the table.

END-OF-CHAPTER EXERCISES

1. What are the x-coordinate and y-coordinate of the point of intersection of the two axes?
2. Point W has x-coordinate equal to -5 . Can you predict the coordinates of point H which is on the line through W parallel to the y-axis? Which quadrants can H lie in?
3. Consider the points R (3, 0), A (0, -2), M (-5 , -2) and P (-5 , 2). If they are joined in the same order, predict:
 - (i) Two sides of RAMP that are perpendicular to each other.
 - (ii) One side of RAMP that is parallel to one of the axes.
 - (iii) Two points that are mirror images of each other in one axis. Which axis will this be?Now plot the points and verify your predictions.
4. Plot point Z (5, -6) on the Cartesian plane. Construct a right-angled triangle IZN and find the lengths of the three sides.
(**Comment:** Answers may differ from person to person.)
5. What would a system of coordinates be like if we did not have negative numbers? Would this system allow us to locate all the points on a 2-D plane?
- *6. Are the points M (-3 , -4), A (0, 0) and G (6, 8) on the same straight line? Suggest a method to check this without plotting and joining the points.
- *7. Use your method (from Problem 6) to check if the points R (-5 , -1), B (-2 , -5) and C (4, -12) are on the same straight line. Now plot both sets of points and check your answers.
- *8. Using the origin as one vertex, plot the vertices of:
 - (i) A right-angled isosceles triangle.
 - (ii) An isosceles triangle with one vertex in Quadrant III and the other in Quadrant IV.
- *9. The following table shows the coordinates of points S, M and T. In each case, state whether M is the midpoint of segment ST. Justify your answer.

S	M	T	Is M the midpoint of ST? Yes or No	Reason for your answer
$(-3, 0)$	$(0, 0)$	$(3, 0)$		
$(2, 3)$	$(3, 4)$	$(4, 5)$		
$(0, 0)$	$(0, 5)$	$(0, -10)$		
$(-8, 7)$	$(0, -2)$	$(6, -3)$		

When M is the mid-point of ST, can you find any connection between the coordinates of M, S and T?

- *10. Use the connection you found to find the coordinates of B given that M $(-7, 1)$ is the midpoint of A $(3, -4)$ and B (x, y) .
- *11. Let P, Q be points of trisection of AB, with P closer to A, and Q closer to B. Using your knowledge of how to find the coordinates of the midpoint of a segment, how would you find the coordinates of P and Q? Do this for the case when the points are A $(4, 7)$ and B $(16, -2)$.
- *12. (i) Given the points A $(1, -8)$, B $(-4, 7)$ and C $(-7, -4)$, show that they lie on a circle K whose center is the origin O $(0, 0)$. What is the radius of circle K?
- (ii) Given the points D $(-5, 6)$ and E $(0, 9)$, check whether D and E lie within the circle, on the circle, or outside the circle K.
- *13. The midpoints of the sides of triangle ABC are the points D, E, and F. Given that the coordinates of D, E, and F are $(5, 1)$, $(6, 5)$, and $(0, 3)$, respectively, find the coordinates of A, B and C.
14. A city has two main roads which cross each other at the centre of the city. These two roads are along the North-South (N-S) direction and East-West (E-W) direction. All the other streets of the city run parallel to these roads and are 200 m apart. There are 10 streets in each direction.
- (i) Using 1 cm = 200 m, draw a model of the city in your notebook. Represent the roads/streets by single lines.
- (ii) There are street intersections in the model. Each street intersection is formed by two streets—one running in the N-S direction and another in the E-W direction. Each street

intersection is referred to in the following manner: If the second street running in the N–S direction and 5th street in the E–W direction meet at some crossing, then we call this street intersection (2, 5). Using this convention, find:

- (a) how many street intersections can be referred to as (4, 3).
- (b) how many street intersections can be referred to as (3, 4).

15. A computer graphics program displays images on a rectangular screen whose coordinate system has the origin at the bottom-left corner. The screen is 800 pixels wide and 600 pixels high. A circular icon of radius 80 pixels is drawn with its centre at the point A (100, 150). Another circular icon of radius 100 pixels is drawn with its centre at the point B (250, 230). Determine:
- (i) whether any part of either circle lies outside the screen.
 - (ii) whether the two circles intersect each other.
16. Plot the points A (2, 1), B (–1, 2), C (–2, –1), and D (1, –2) in the coordinate plane. Is ABCD a square? Can you explain why? What is the area of this square?

SUBJECT – SCIENCE

1. What outcome do you expect, if all the mitochondria are removed from a eukaryotic cell?
2. A researcher carried out an experiment in which she took two carrots of similar size. She placed one carrot in plain water and the other carrot in concentrated salt solution (Fig. 2.21). After 24 hours she recorded her observations. (i) What hypothesis does she want to test through this experiment?
 - (ii) What would you suggest for the improvement of this experiment?
 - (iii) Why does the carrot in plain water stay stiff and crunchy, but the carrot in concentrated salt solution become rubbery and limp?
3. Two students, Renu and Rohit, were having a discussion on the plastids. Renu emphasised that all parts of the plants, even roots, contain plastids. However, Rohit did not agree with the statement and told her that plastids are absent in plant roots since the roots are underground and do not need to perform photosynthesis. Who is correct? Justify your answer.
4. Differentiate between the following pairs of terms based on the clues given in parentheses: (i) Cell membrane and cell wall (permeability)
 - (ii) RER and SER (structure)
 - (iii) Chloroplasts and chromoplasts (pigments)
5. Mitochondria and chloroplasts are two important organelles in a plant cell. Discuss how these two organelles are structurally and functionally similar to each other, and different from each other.

SUBJECT – SOCIAL SCIENCE

1. **Map work (Label and locate states and union territories with their capitals on India Map and paste in your notebook)**
2. **Write a paragraph on World Environment Day (5 June).**
3. **“Democracy is considered better than other forms of government.” Justify the statement.**
4. **Explain the scope of Social Science by describing Geography, History, Political Science, and Economics, and show how they overlap in real life.**
5. **Write about the features of democracy.**
6. **Explain the major causes of floods in India and suggest effective flood management measures.**
7. **Describe the major seasons of India and explain the climatic conditions associated with each season.**
8. **What are the challenges to free and fair elections in India?**
9. **Write the Fundamental Rights and Fundamental Duties of the Indian Constitution.**
10. **Prepare Portfolio and Map File of Social Science for Your Internal Assessment.**

SUBJECT – VOCATIONAL EDUCATION (OPTIONAL)

1. What is communication? Explain its importance in daily life.
2. Write any four methods of communication with examples.
3. Differentiate between verbal and non-verbal communication.
4. What do you understand by active listening? Why is it important?
5. Conduct a short interview with any family member and write the questions and answers related to effective communication.
6. Write a short dialogue between two friends showing effective communication skills.
7. How can Artificial Intelligence help students in education? Write any five points.
8. What do you mean by domain of AI? Explain all the domains of AI?

CLASS - X

SUBJECT – ENGLISH

SECTION A – READING SKILLS

1. Task 1: Novel / Story Reading

Read any one novel or 5 short stories.

Write:

- ★ Summary (150 words each)
- ★ Main theme
- ★ Character analysis



2. Task 2: Case-Based Reading

Read one newspaper article daily.

Write:

- ★ Key points
- ★ Opinion (80-100 words)



SECTION B – WRITING SKILLS

3. Task 3: Article Writing

Write two articles (150-200 words each):

- ★ Role of Youth in Nation Building
- ★ Impact of Social Media



4. Task 4: Story Writing

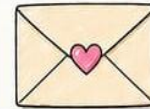
Write a creative story (200-250 words) based on a given situation or moral.



5. Task 5: Letter Writing

Write:

- ★ Formal letter (complaint/application)
- ★ Informal letter (to a friend)



SECTION C – GRAMMAR & LANGUAGE

6. Task 6: Editing & Omission

Solve 10 questions.



7. Task 7: Tenses & Modals

Write 10 sentences using:

- ★ Different tenses
- ★ Modals



8. Task 8: Vocabulary Building

Write:

- ★ 30 synonyms
- ★ 30 antonyms
- ★ 15 idioms with meanings



SECTION D – LITERATURE (NCERT BASED)

9. Task 9: Chapter Analysis

From the textbook, write:

- ★ Theme
- ★ Character sketch
- ★ Important message



10. Task 10: Extract-Based Questions

Frame 5 extract-based questions from any chapter.



SECTION E – CREATIVE & APPLICATION

11. Task 11: Poster / Infographic

Make a poster or infographic on any one topic:

- ★ Save Environment
- ★ Digital Awareness



12. Task 12: Dialogue Writing

Write a dialogue between:

- ★ Parent & child (career choice)
- ★ Teacher & student



SECTION F – SPEAKING SKILLS

13. Task 13: Speech

Prepare a speech on any one topic:

- ★ Importance of Education
- ★ Technology in Life



14. Task 14: Poem Recitation

Learn and present two poems with proper expression and voice modulation.



SECTION G – PROJECT WORK

15. Task 15: Book Review

Read a book and write:

- ★ Title
- ★ Author
- ★ Summary
- ★ Message
- ★ Personal opinion



16. Task 16: Daily Reflection Journal

Write daily:

- ★ One new word
- ★ One real-life observation
- ★ One learning



The more you read, the more you know.
The more you learn, the more you grow!



SUBMISSION GUIDELINES

- ✓ Maintain a well-organized file/notebook.
- ✓ Use headings and neat presentation.
- ✓ Focus on understanding and creativity.
- ✓ Submit after holidays.



WHY THIS HOMEWORK IS SPECIAL

- ♥ Improves writing for boards (CBSE pattern)
- ♥ Develops critical thinking
- ♥ Enhances communication skills
- ♥ Connects literature with real life



REMEMBER

- ★ Be curious
- ★ Be creative
- ★ Be consistent
- ★ Practice daily
- ★ Believe in yourself



♥ WORDS HAVE THE POWER TO INSPIRE, INFLUENCE & CHANGE THE WORLD. ♥

SUBJECT – HINDI

प्रश्न-1 वाक्य की परिभाषा बताते हुए रचना के आधार पर उसके भेद दो-दो उदाहरण लिखकर समझाइए।

प्रश्न-2 वाक्य की परिभाषा बताते हुए उसके भेद बताते हुए दो-दो उदाहरण लिखकर समझाइए।

प्रश्न-3 अलंकार की परिभाषा बताते हुए उपमा, रूपक, उत्प्रेक्षा, मानवीकरण और अतिशयोक्ति अलंकार के बारे में बताते हुए दो-दो उदाहरण लिखकर समझाइए।

प्रश्न-4 पद परिचय की परिभाषा बताते हुए कोई पांच उदाहरण बताते हुए उनका पद परिचय कीजिए।

प्रश्न-5 अपने मित्र को चित्रकला प्रतियोगिता में प्रथम आने पर बधाई देते हुए एक पत्र लिखिए।

प्रश्न-6 विद्यालय के प्राचार्य को खेल सामग्री उपलब्ध कराने हेतु एक प्रार्थना पत्र लिखिए।

प्रश्न 7 निम्नलिखित सभी विषयों पर संकेत बिंदुओं के आधार पर लगभग 250-350 शब्दों में अनुच्छेद लिखिए :

(i) साइबर सुरक्षा : जागरूकता ही समाधान *साइबर सुरक्षा का अर्थ *वर्तमान में चर्चा का कारण
*जागरूकता का प्रभाव

(ii) स्वस्थ जीवन-शैली - *स्वस्थ जीवन-शैली की आवश्यकता

*स्वस्थ आदतें जिनका पालन किया जाना चाहिए *स्वस्थ जीवन-शैली के लाभ

(iii) एक यादगार पारिवारिक अवकाश -

*कैसे मनाया? *यादगार क्यों है? * पारिवारिक अवकाश का महत्व

प्रश्न 8- प्रोजेक्ट कार्य

प्रश्न क्रमांक

1 *नेताजी सुभाष चंद्र बोस* के *कृतित्व (कार्य एवं योगदान) एवं व्यक्तित्व* पर *सचित्र प्रोजेक्ट* बनाइए।
(शब्द सीमा - 1550)

2 .स्वतंत्रता आंदोलन में महिलाओं की भी सक्रिय भागीदारी रही है। उनमें से किन्हीं 5 के बारे में जानकारी प्राप्त करते हुए सचित्र प्रोजेक्ट बनाइये। *(शब्द सीमा - ,2500)*

3 भारतीय समाज, कला एवं संस्कृति की विविधता से भरी हुई है। इस कथन को स्पष्ट करते हुए सचित्र प्रोजेक्ट तैयार कीजिए। *(शब्द सीमा - 1500)*

4 भारतीय समाज, उत्सव एवं पर्व की भूमि है। हिन्दी महीनों में मनाए जाने वाले पर्वों का वर्णन करते हुए सचित्र प्रोजेक्ट तैयार कीजिए। प्रत्येक दो महीने से एक पर्व *(शब्द सीमा - 2400)*

5 प्रदूषण एक गंभीर समस्या बनते जा रही है, प्रदूषण के विभिन्न प्रकारों के बारे में वर्णन करते हुए इसके बचाव का सुझाव देते हुए सचित्र प्रोजेक्ट बनाइये। *(शब्द सीमा - 1500)*

-नोट- सभी विद्यार्थी ध्यान दें -

परियोजना कार्य (Project Work) के प्रत्येक प्रश्न को अलग-अलग फाइल में तैयार करें। इसके अतिरिक्त, ग्रीष्मकालीन अवकाश को हिन्दी विषय के रजिस्टर में ही पूर्ण करें।

SUBJECT – MATHS

Provided below are the link of practice question paper. Solve these in your copy.

https://drive.google.com/file/d/1B_cDnHWSB7G7Yqu3HvUaGtC9dr5LWwwH/view?usp=sharing

https://drive.google.com/file/d/13j5Lt11K_7R9gu_cryo0dqHg_0jdaHqM/view?usp=sharing

SUBJECT – SCIENCE

1. Mention with reason the colour changes observe when:
 - (i) silver chloride is exposed to sunlight.
 - (ii) copper powder is strongly heated in the presence of oxygen.
 - (iii) a piece of zinc is dropped in copper sulphate solution
2. Lead nitrate solution is added to a test tube containing potassium iodide solution.
 - (a) Write the name and colour of the compound precipitated.
 - (b) Write the balanced chemical equation for the reaction involved.
 - (c) Name the type of this reaction justifying your answer.
3. 2 g of ferrous sulphate crystals are heated in a dry boiling tube. (AI 2019, Board Term 1, 2017, 2016)
 - (a) List any two observations.
 - (b) Name the type of chemical reaction taking place.
 - (c) Write balanced chemical equation for the reaction and name the products formed.
4.
 - (i) Why is respiration considered as an exothermic reaction?
 - (ii) Write chemical name and the formula of the brown gas produced during thermal decomposition of lead nitrate.
 - (iii) Why do chips manufactures flush bags of chips with gas such as nitrogen?
5. What happens when an aqueous solution of sodium sulphate reacts with an aqueous solution of barium chloride? State the physical conditions of reactants in which the reaction between them will not take place. Write the balanced chemical equation for the reaction and name the type of reaction.
6. Explain the significance of photosynthesis. Write the balanced chemical equation involved in the process.
7. a) State the form in which the following are stored:
 - (i) Unused carbohydrates in plants.
 - (ii) The energy derived from food in humans,
 - (b) Describe the process of nutrition in Amoeba with the help of diagram.

SUBJECT – SOCIAL SCIENCE

1. Complete on compulsory Project on any one topic – Consumer awareness/ Social issues/ Sustainable Development in (A4 Size paper)
2. Complete Map file according to split up syllabus.
3. Revise all the completed chapters of History/Geography/Political science/ Economics
4. Prepare 10-10 MCQs from each chapters.

SUBJECT – ARTIFICIAL INTELLIGENCE (417)

Answer all the questions in your class work copy.

Communication Skills

1. Define communication and explain its importance in everyday life.
2. Differentiate between verbal and non-verbal communication with suitable examples.
3. What are the barriers to effective communication? Explain any four.
4. Explain the importance of active listening in communication.
5. Write any four qualities of an effective speaker.
6. Riya gives a presentation in class but keeps looking at the floor and speaks very softly. Identify two communication mistakes made by Riya and suggest improvements.
7. Aman sends an important message to his teacher using short forms and informal language.
Was this communication appropriate? Give reasons.
8. During a group discussion, one student keeps interrupting others.
Which communication skill is missing here? How can the discussion be improved?
9. Your friend is unable to understand instructions given in class because of noise outside. Identify the communication barrier and suggest one solution.
10. Read the situation:
“A customer is angry in a shop and the shopkeeper listens patiently before replying politely.”
Which communication skills are shown by the shopkeeper? Explain.

Self-Management Skills

1. What do you mean by self-management skills?
2. Explain the importance of self-confidence in daily life.
3. What is stress? Mention any four ways to manage stress.
4. Define self-motivation and explain its importance.
5. Write any four qualities of a self-disciplined person.
6. Ravi has an exam tomorrow but spends most of his time using mobile games.
Which self-management skill is lacking? Suggest two ways to improve it.
7. Neha feels nervous before speaking on stage.
Suggest any two methods that can help her improve her self-confidence.
8. A student makes a timetable and follows it regularly to complete homework and revision.
Which self-management skill is being demonstrated? Explain.
9. During exams, Mohit feels stressed and unable to concentrate.
Suggest any two stress-management techniques that can help him.
10. Read the situation:
“Priya failed in a competition but decided to practice harder instead of giving up.”
Which quality of self-management is shown by Priya? Explain.