



BRAIN INTERNATIONAL SCHOOL



CLASS VII
SESSION 2025-26



HAPPY Holidays



Summer vacation is a delightful pause—a time to unwind, wander, and gather golden moments with loved ones. But it's also the perfect time to nurture important life skills that will help you in school and beyond. This summer, along with fun and rest, let's also work on becoming better versions of ourselves--through painting a picture, tending a garden, or trying your hand at a new recipe!

A few thoughtful minutes spent journaling each day can help capture the magic in everyday moments. Lose yourself in the pages of your favourite books and reflect on the stories that touch your heart. Create warm memories by planning a cosy family evening or a playful indoor picnic. Let each day include a touch of kindness—a helpful deed, a shared smile, or a small gesture of care. Find moments of stillness to simply breathe, listen, and feel at peace. Balancing fun, reflection, and a bit of responsibility will help your summer bloom with meaning and joy.



 “This summer, let’s laugh more, learn more, and care more.” 





Ink-Spedition: Design Your English Magazine!

Unleash your creativity and language skills by designing a unique English magazine! 🎨
Make an A4-sized sheet file and bring your ideas to life through vivid illustrations, imaginative writing, and fun features. Let your magazine reflect your originality and effort!

Instructions:

Tasks by Roll numbers

1. Cover Page (Roll nos. 1-5)

Design an attractive front cover with a catchy magazine name, publication month, your name, class, and school, and add short teasers of the key content inside.

2. B.I.S. Page (Roll nos. 6-10)

Write a report on recent school events (such as Talentia, Club activities, House competitions, Ek Bharat Shreshtha Bharat- Sikkim activity, Earth Day celebrations, Mock drills, etc.), highlighting students' participation, your involvement, and key elements. You may also add photos or sketches to enhance your report.

3. Feature Articles (Roll nos. 11-15)

Write 2–3 short articles on a state of your choice, covering its famous tourist spots, culture, food, or your personal experiences.

4. Creative Writing (Roll nos. 16-20)

Include at least two original, self-written poems related to the chapters/poems from your English literature book. Each poem must be neatly handwritten, include a title, and feature illustrations inspired by the chapter. (Make sure to mention the names of the chapter/poem on which your poems are based.)

5. Fun Corner (Roll nos. 21-25)

Add English jokes, amazing facts, puzzles, and riddles. (Answers can be at the bottom or in a separate mini-box.)

6. Advertisements (Roll nos. 26-30)

Create 2–3 imaginative advertisements using slogans, drawings, and product details (fictional or real).

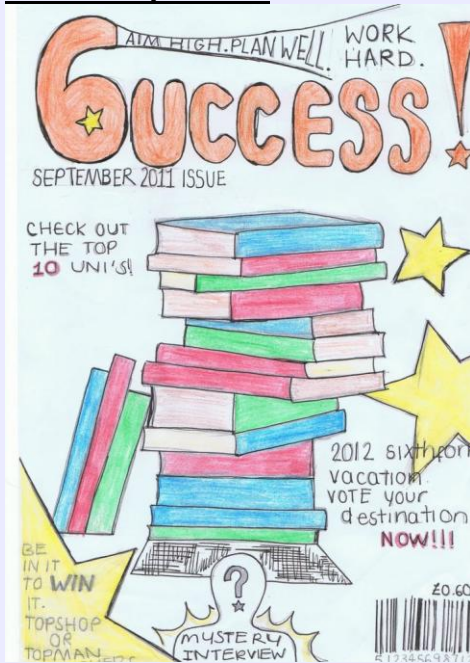
7. Idioms Illustrated (Roll nos. 31-38)

Choose 5 English idioms and depict them pictorially using simple and funny illustrations.

Tips to follow:

- Use colourful headings, neat handwriting, creative borders, and a well-organised layout.
- All content (especially poems and artwork) must be handwritten and original—avoid copying from books or the internet.
- For layout ideas, refer to magazines like *BRUNCH*, *TINKLE*, *OUTLOOK*, or *INDIA TODAY*.
- Be creative, be neat, and let your magazine be a reflection of your talent!

Reference pictures:





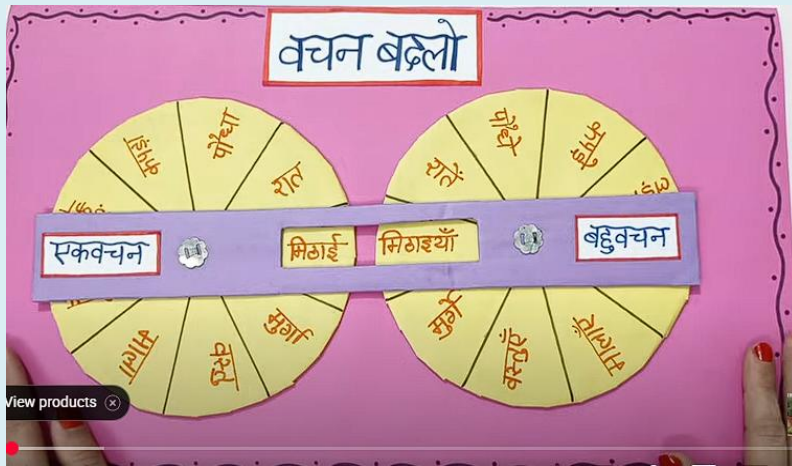
विलोम शब्दों अथवा वचन शब्दों का चक्र

इस चक्र को बनाने के लिए विद्यार्थी किसी कार्ड बोर्ड पर दो बड़े सर्कल बनाएँगे

सर्कल को अलग – अलग भागों में विभाजित कर उनमें अलग-अलग विलोम शब्द /वचन लिखेंगे |

चित्रानुसार सर्कल घूमा कर शब्द का सही विलोम/वचन पहचान सकेंगे |

(1-20 रोल नंबर तक वचन बदलो का व 20 से 40 रोल नंबर विलोम का चक्र बनाएँ |)



कार्यपत्रिका

प्रश्न 1) दिए गए अपठित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर लिखिए-

एक कहावत है कि मनुष्य अपने दोषों को राई के समान और दूसरों के दोषों को पर्वत के समान देखता है। सज्जन या महात्मा ठीक इसके विपरीत होते हैं, वे अपने ही दोषों पर ध्यान देते हैं। हर व्यक्ति में कोई न कोई बुराई होती है, अगर बुराई न हो तो वह देवता की श्रेणी में न आ जाए। मनुष्य को अपनी बुराइयों को दूर करने का प्रयास करना चाहिए न कि दूसरों पर टीका-टिप्पणी या छींटाकशी करनी चाहिए। मन की परख मन को पवित्र करने का सबसे सर्वोत्तम साधन है। आत्मनिरीक्षण आत्मा की उन्नति का सर्वश्रेष्ठ मार्ग है। महात्मा कबीर ने कहा है – जब मैंने अपने मन की पड़ताल की तो मुझमें जितनी बुराइयाँ थी उतनी किसी में न खोज पाया। महात्मा गांधी ने कई बार स्पष्ट किया है कि 'मैंने जीवन में हिमालय जितनी बड़ी भूल की है।' अपनी भूल को स्वीकार करना आत्मबल का चिह्न है। जो लोग अपनी भूल को स्वीकार नहीं करते, अपना दोष नहीं मानते वे सबसे बड़े कायर हैं। जिसका मन शीशे के समान निर्मल है उसे अपनी भूल झट दिखाई दे जाती है। मन में पाप है तो सारे जग में पाप नज़र आता है। पवित्र आचरण वाला हमेशा ये सोचता रहता है कि कहीं उनसे कोई कमी न रह जाए इसलिए वह अपना हर कदम सोच-समझकर उठाता है।

i) सज्जन व्यक्ति के चरित्र की क्या विशेषता है ?

क) वह अपने दोष देखता है ।

ख) वह दूसरों के दोष देखता है ।

ग) अपने गुण व दूसरों के दोष देखता है ।

घ) इनमें से कोई नहीं ।

ii) कोई दोष ना होने पर मनुष्य किस श्रेणी में आ जाएगा ?

क) मनुष्य

ख) राक्षस

ग) देवता

घ) जानवर

iii) निम्नलिखित कथन और कारण पढ़िए और सही उत्तर चुनिए ।

कथन – हर व्यक्ति में कोई न कोई बुराई अवश्य होती है ।

कारण – मनुष्य अपनी बुराई दूर करने का प्रयास नहीं करता ।

क) कथन और कारण दोनों गलत हैं ।

ख) कथन और कारण दोनों सही हैं, कारण कथन की सही व्याख्या करता है ।

ग) कथन सही है परंतु उसका कारण गलत है ।

घ) कथन और कारण दोनों सही हैं ।

iv) गद्यांश में दी गई कहावत का अर्थ अपने शब्दों में लिखिए ।

v) महात्माओं का आचरण कैसा होता है ?

प्रश्न 2) दिए गए विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए -

जब मैं ट्रैफिक जाम में फंसा

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

प्रश्न 3) 'हिंदी के महत्त्व' को दर्शाता एक नारा लगभग 15 से 20 शब्दों में लिखिए -



- A. Learn multiplication tables from 2 to 25.
- B. Learn squares of natural numbers from 1 to 25.
- C. Learn cubes of natural numbers from 1 to 10.

Table of Squares from 1 - 25				
$1^2 = 1$	$6^2 = 36$	$11^2 = 121$	$16^2 = 256$	$21^2 = 441$
$2^2 = 4$	$7^2 = 49$	$12^2 = 144$	$17^2 = 289$	$22^2 = 484$
$3^2 = 9$	$8^2 = 64$	$13^2 = 169$	$18^2 = 324$	$23^2 = 529$
$4^2 = 16$	$9^2 = 81$	$14^2 = 196$	$19^2 = 361$	$24^2 = 576$
$5^2 = 25$	$10^2 = 100$	$15^2 = 225$	$20^2 = 400$	$25^2 = 625$

CUBE 1 TO 10	
$1^3 = 1$	$6^3 = 216$
$2^3 = 8$	$7^3 = 343$
$3^3 = 27$	$8^3 = 512$
$4^3 = 64$	$9^3 = 729$
$5^3 = 125$	$10^3 = 1000$

PROJECT BASED ACTIVITY-

THEME - "MATHEMATICS – RIGHT BEFORE OUR EYES"

Do the following as per your roll number

- (Roll No. 1- 10)- "**Math in All Directions**" – Exploring the Branches of Mathematics

Do research on various branches of Mathematics. Pen down at least 10 of them on an A-4 size sheet and prepare one collage on an A-3 size sheet on real life applications of **any two branches** of your choice.

- (Roll No. 11- 20) -"**Mathematics in Motion: The Cinematic Journey of Indian Geniuses**"

Watch any **one** movie based on an Indian mathematician (e.g., *The Man Who Knew Infinity*, *Shakuntala Devi*, *Super 30*). Write a **Movie Reflection Report** on A3 sheet which must include:

- A short summary (in your words) – 150 words
- Mathematician's key life challenges and achievements- max 100 words
- One mathematical idea or quote from the movie that inspired you the most.
- Add the pictures to your reflection report.

- (Roll No. 21- 30) – "**Math Art & Puzzles Inspired by the Genius**"

Choose any one task:

- **Ramanujan's Magic Square:** On an A3 sheet, create your own 4×4 magic square where all rows, columns, and diagonals add up to the same number. Explain your method briefly.
- **Math Doodle Poster:** Design a poster on an A3 sheet titled "*Math Around Me*" showing real-life applications of math using drawings, doodles, and quotes.
- **Math Puzzle Booklet:** Design a mini-book of 5 self-created math puzzles (e.g., magic square, sudoku, cross-number puzzle, riddles). Provide a solution key at the end.

- (Roll No. 31-40) – "**Math Adventure Quest: The Journey to the Land of Numbers**"

Choose any one task:

- **Math Board Game-** Design a simple board game that uses operations with integers, fractions, or decimals. Include rules and a sample question card deck.
- **Math Music Mashup-** Create a fun rap or poem about multiplication tables, prime numbers, or shapes. Perform it or write it out with illustrations and rhymes.



WORKSHEET-1

NAME _____

CLASS & SEC _____

1. What comes next in the pattern? 3, 6, 12, 24, _____
2. Find the odd one out and circle: 16, 25, 36, 49, 55
3. A number is divided by 2 and then multiplied by 4. The result is 32. What was the original number?

4. Which number replaces the question mark? _____

$$2 \times 3 = 6, 3 \times 4 = 12, 4 \times 5 = ?$$

5. If today is Monday, what day will it be after 45 days? _____
6. Ravi thinks of a number. He multiplies it by 6 and adds 9. The result is 51. What was the number?

7. Which of the following is a palindrome number?

a) 1221 b) 1234 c) 1321 d) 1245

8. A train takes 5 hours to travel 300 km. What is its average speed? _____
9. Which shape is different from the others?

a) Cube b) Sphere c) Cone d) Square

10. Which number should come next? 1, 1, 2, 3, 5, 8, _____

11. A shopkeeper had ₹500. He bought pens for ₹120 and books for ₹230. How much money is left?

12. A number when added to 3 gives the same result as when it is multiplied by 2. What is the number?

13. Identify the pattern and fill the blank: 81, 27, 9, 3, _____

14. If A=1, B=2, ..., Z=26, the value of the word 'BAD' is _____

15. A pizza is cut into 8 equal slices. If 3 friends eat 2 slices each, how many slices are left? _____

16. A clock shows 3:15. What is the angle between the hour and minute hands? _____

17. The sum of 3 consecutive odd numbers is 45. What are the numbers? _____

18. Circle the number which does not belong to the group.

3, 5, 7, 9, 11, 13

19. Mohan is Rani's father. Rani is the sister of Raj. What is Mohan to Raj? _____

20. Find the missing number: 6, 11, 16, _____, 26.

21. If $2 + 3 = 13$, $3 + 4 = 25$, $4 + 5 = 41$, then $5 + 6 =$ _____

22. Complete the pattern: A, C, E, G, _____

23. Pointing to a boy, Rani said, "He is the son of my father's only daughter." Who is the boy to Rani?

24. Pattern Completion: 1, 4, 9, 16, _____, 36

25. Which one does not belong to the group? Gram, Kilogram, Litre, Quintal

26. Eye : See :: Ear : _____

27. If $8 * 2 = 20$ and $6 * 3 = 21$, then $7 * 4 =$ _____.

28. If CAT = 24, DOG = 26, then BAT = _____

29. What comes next? Z, X, V, T, _____

30. Pattern Completion: ▲, ■, ▲, ■, _____, ■

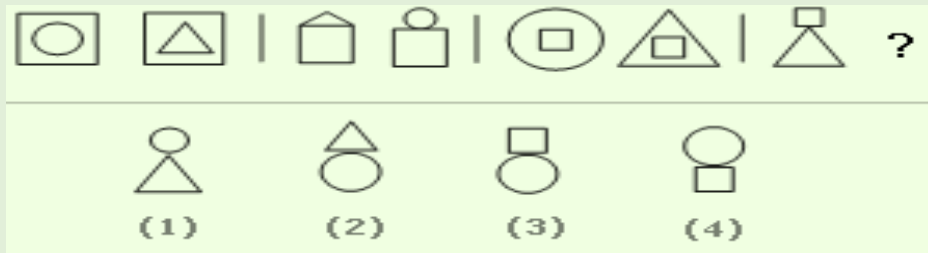


WORKSHEET-2

NAME _____

CLASS & SEC _____

1. Look carefully at the sequence of symbols to find the pattern. Select the correct pattern.



2. Here are some words translated from an artificial language.

malgauper means peach cobbler

malgaport means peach juice

moggagrop means apple jelly

Which word could mean "apple juice"?

- a. moggaport b. malgauper c. gropport d. Moggagrop

3. Joe is younger than Kathy.

Mark was born after Joe.

Kathy is older than Mark.

If the first two statements are true, the third statement is

- a. true b. false c. uncertain

4. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

- a. Brother b. Sister c. Nephew d. Cannot be determined

5. Arrange the words given below in a meaningful sequence.

1. Word 2. Paragraph 3. Sentence 4. Letters 5. Phrase

- a. 4, 1, 5, 2, 3 b. 4, 1, 3, 5, 2 c. 4, 2, 5, 1, 3 d. 4, 1, 5, 3, 2

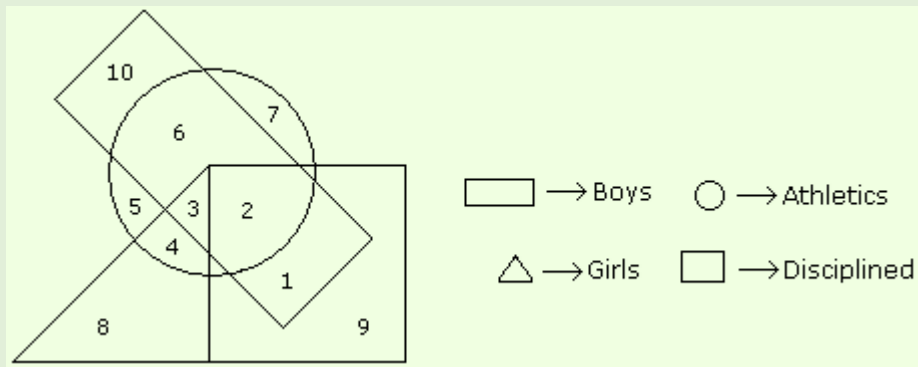
6. **Statements:** Some actors are singers. All the singers are dancers.

Conclusions: Some actors are dancers.

No singer is actor.

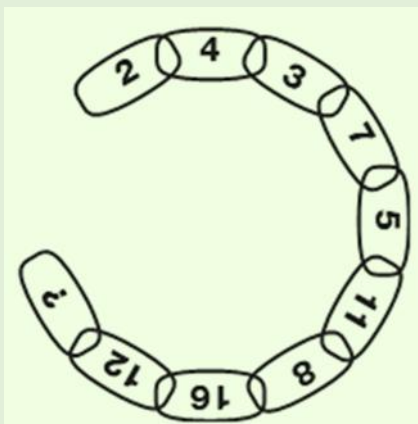
- a. Only (1) follows b. Only (2) follows c. Neither (1) or (2) d. Both (1) and (2)

7. In the following diagram the boys who are athletic and are disciplined are indicated by which number?



- a. 1 b. 2 c. 10 d. 6

8. Which number replaces the question mark?



- a. 22 b. 28 c. 20 d. 27

9. BLOCKED : YOLXPVW :: ? : OZFMXS

- a. DEBATE b. RESULT c. LABOUR d. LAUNCH

10. In the series 2, 6, 18, 54, what will be the 8th term?

- a. 4370 b. 4374 c. 7443 d. 7434



1. **Art Integrated Activity:**

Make anatomical structure of the following system of humans using Mandela art on A3 size sheet.

- Roll no (1-10)- Respiratory system.
- Roll no (11-20)- Circulatory system.
- Roll no (21-30)- Excretory system.
- Roll no (31-40)-Digestive system.

2. **Creativity is the power to connect the seemingly unconnected.”**

Explore your backyard/ Kitchen/ old or waste material/Electronic waste/ store etc. and come up with the innovative scientific games /unique experiments /working model along with explanation, to be presented in the upcoming science exhibition after the summer break. Everyone's participation is mandatory.

3. **Prepare a mind map and the flowchart on A-4 size sheet ,on the following topics as per the roll numbers :**

Roll no (1-5) Ch-1: Nutrition in Plants -mind map.

Roll no (6-10) Ch-2:Nutrition in Animals -flow chart.

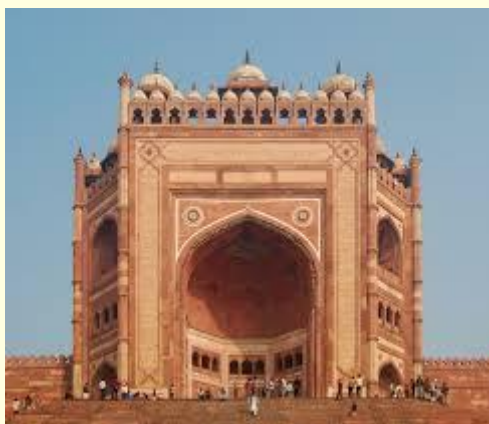
Roll no (11-15) Ch-3:Heat -mind map.

Roll no (16-20) Ch-4:Acids Bases and Salts -mind map.

Roll no (21-25) Ch-9:Motion and Time -mind map.

Roll no (26-30) Ch-5:Physical and Chemical Changes -mind map.

Roll no (31 onwards) Ch-6: Respiration in Organisms -flow chart.



Itihas ke Darwaze se- (Subject Enrichment)

Visit any of these historical sites like the Red Fort, Qutub Minar, and Humayun's Tomb, as well as interactive museums like the National Rail Museum and Nehru Planetarium with your family and make a project given according to your roll number.

Roll No.	Projects
1-6	Booklet on any historical monument of Delhi
7-12	Flipbook on any historical monument of Delhi
13-18	Travelogue on any historical monument of Delhi
19-24	Virtual museum on any historical monument of Delhi through Google slides / PPT in video mode etc
25-30	Comic Strip on any historical monument of Delhi
31-36	Museum Exhibit in a Box – Design a mini museum exhibit using a shoebox or cardboard. – Include artifacts (replicas), labels, timelines, and descriptions about a historical event or era.
37-42	Depicting of any historical scene using pictures.

<https://youtu.be/ufOXBuGhVWg?si=qjirvL3v83fAakJ7>

https://youtu.be/uqAXf3kdnGQ?si=3V__ov1MYbkUeif0

<https://youtu.be/kUgnUh3kF0A?si=n8dZBWelKYIHtpht>

<https://youtu.be/kUgnUh3kF0A?si=EFVcCegsrxByJVeN>

https://youtu.be/P759Zq3F4N0?si=PUH_mkeq8aWIDmc9

https://youtu.be/xjJqrEDsidM?si=_YuDmjM5ErVvmJ8c

These are just the sample videos for you .You can use your own creativity while making the projects.

Revise the content /chapters taught so far.

F.I.T.

Students are required to collect relevant information and present it **briefly** on the assigned topics based on their **Roll Numbers**.

➤ **Roll no :(1-10):- Artificial Intelligence(AI)**

Explore what AI is, its applications in daily life, industries using AI, advantages, challenges, and the future of AI.

➤ **Roll no :(11-20):-Bitcoin**

Include basic understanding of Bitcoin, how it works, blockchain technology, mining, advantages/disadvantages, and its impact on the economy.

➤ **Roll no :(21-30):-Augmented Reality**

Cover what AR is, how it differs from VR, examples in gaming, education, retail, and how AR enhances real-world experiences.

➤ **Roll no :(31-40):-Virtual Reality**

Define VR, describe how it works, equipment used, major applications (e.g., gaming, training, therapy), and potential future developments.

NOTE:

- ❖ Homework must be completed on A-3 size sheet(s) only .
- ❖ Write the content neatly and clearly in your own handwriting. Be creative but keep the focus on clarity and neatness.
- ❖ Use colourful and creative heading, add decorative borders to enhance the presentation.
- ❖ Include **relevant images, pictures, or illustrations** to support your topic. You may draw or paste printed visuals.
- ❖ Ensure that the content is **brief, informative, and visually appealing**.



MARK YOUR CALENDER!

JUNE-5

**WORLD ENVIRONMENT
DAY**

Park Cleanup Drive

-Small Changes, Big
Impact

JUNE-15

FATHER'S DAY

Make gratitude cards and
click portraits with him

-Celebrating Father's
Love

JUNE- 21

**INTERNATIONAL DAY OF
YOGA**

Start your day with a 10
minute yoga session

-Breathe in calm, Breathe
out Stress

ENJOY YOUR
Vacation

