



RAO MOHAR SINGH MEMORIAL SR. SEC. SCHOOL

A Co-educational, English Medium, Affiliated to C.B.S.E., Delhi

HOLIDAY HOMEWORK SESSION 2026-27 CLASS VII

**“Learning is not attained by chance. It must be sought
for with ardour and attended to with diligence.”**

- Abigail Adams



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Dear Parents and Students,

‘Here’s to a summer vacation that’s a playground for your imagination, where you can dream big, set goals, and work towards achieving them’.

Vacation is the time for children to explore their diverse interests and indulge in various activities which would interest them. These activities would lead to their all round development.

We have designed interesting projects which incorporate real world applications of academic concepts, fostering a deeper understanding of the concept. These projects will be assessed on the basis of Subject Enrichment activity or Art Integrated Activity.

Let’s keep 3R’s in our mind- Rejuvenation, Relaxation and Rebonding.

Wishing you a fun filled Summer Vacation!

Some tips to make this holiday special:

- Spend some quality time with an elderly person in the family.
- Build a habit of reading.
- Have dinner every day with the family.
- Cook your favourite food. Help your mother in daily chores.
- Involve yourself in some physical activities like- yoga, meditation, exercise, aerobics etc.

Some Do’s and Don’ts during summer vacation.

Do’s

- Eat a nutritious diet with plenty of water. Include citrus fruits.
- Reduce the screen time.
- Wake up early and develop a morning routine.
- Wear light thin cotton clothes to keep yourself cool.

- Protect yourself from the scorching heat.

Don'ts

- Don't have junk food.
- Don't waste time being lazy. Stay active during the vacation.
- Don't go out during the hours of peak sunshine.
- When it is extremely hot & humid, restrict your outdoor activities as much as possible.

Please note:

- **The Holiday Homework must be completed neatly and legibly on A4-sized ruled sheets.**

Holidays Homework is an interesting way to utilise our time in the most fruitful way. Wish you all a fun-filled, safe and healthy holiday ahead!

Q2. Nouns & Pronouns

Cut and paste 10 nouns from a newspaper or magazine.

Write 10 sentences using pronouns, underline them and write their kinds.

Q3. Favourite Character

Choose one character from any chapter or poem you have studied.

Write a short paragraph on:

Who the character is

Why you like or dislike the character

What kind of person they are


Q4.


Make "My Summer Vacation" scrapbook, collecting pictures and memories of your holidays.

Q5.


Design a creative handmade english newspaper "The Summer Times"
. Include at least 5 sections, news, weather report, sports, entertainment, and comics

Activity 5 – Weather Report

 Collect weather news for a few days and paste them neatly in your notebook.

 Mention changes in temperature and climate.

Activity 6 – Landforms of the Earth

 Draw mountains, plateaus, and plains with proper labels and colouring.

Activity 7 – Life in Villages and Cities

 Compare village life and city life in a creative table format.


Activity 8 – Our Heritage

 Paste pictures of Indian heritage sites and write why they are important.


Activity 9 – Water Conservation

 Design a poster showing ways to save water and protect rivers.


Activity 10 – Family Traditions

 Discuss family traditions with elders and write about special customs followed at home.


Activity 11 – Map Skills

 Draw a political map of India and mark neighbouring countries neatly.

Activity 12 – Forests and Wildlife

 Prepare a scrapbook page on Indian forests and endangered animals.

Activity 13 – Democracy in India

 Write about the importance of democracy and citizens' rights.

Activity 14 – Means of Transport

✈️ Collect or draw pictures of different means of transport and mention their uses.

Activity 15 – Freedom Fighters

📷 Paste pictures of freedom fighters and mention their contributions to India.

Activity 16 – Food Diversity in India

🍽️ Make a chart showing famous dishes from different Indian states.

Activity 17 – Natural Resources

🌿 List important natural resources and explain how we can protect them.

Activity 18 – Monuments and Architecture

🏛️ Draw or paste pictures of historical monuments and describe their architecture.

Activity 19 – SST Scrapbook

✨ Compile all activities into a colourful scrapbook with creative borders and decorations.

? Activity 20 – Quiz Corner

Prepare interesting SST quiz questions with answers on A4 size sheets.



“There are in fact two things, science and opinion; the former begets knowledge, the latter ignorance.”

– Hippocrates

Student’s Name: _____ Roll Number: _____ Date: _____

1. Learn Chapter-1,2,3.

2. You might have noticed that when lemon juice comes in contact with a turmeric (Haldi) stain, the yellow patch instantly turns reddish-brown. This is due to a chemical reaction. To explore this further, make small spots of turmeric on a white cloth or paper. Then, carefully drop different liquids on turmeric spot such as
 - i. lemon juice
 - ii. Soap solution
 - iii. Vinegar
 - iv. Water
 - v. Milk
 - vi. Baking soda/powder
 - vii. Sugar solution

Observe which liquids cause a colour change and which do not. Record your observations in a tabular format (Table) and also paste coloured change samples in the table on A-4 size sheet.

3. *Hydrangea macrophylla* flowers show different colours depending on the nature of the soil. In acidic soil, the flowers are blue, while in basic soil, the flowers appear pink or red. Using the internet to investigate at least five other plants or natural substances that act as indicators similar to hydrangea. Prepare a short report on your findings and present it on white sheet or A4 size sheet.

4. Solve the “Knowledge Tracker” of Chapter-2 (page no: 26-27) and Chapter-3 (page no: 49-50) in your Science book.

5. Make a pH scale/spectrum by your own. Mention its range from 0 to 14. Draw or paste any one picture of a food item on every measurement.

6. Make your own electric circuit with a switch and two diodes. Take two LED lamps, a cell, three wires, a switch and some tape. First, make the circuit diagram as shown in the given image then, note your observations and conclusions on a white sheet.

Explain the following on A-4 size sheet:

- i. What might be the reason if one LED does not glow while the other does in the same circuit?

- ii. What will happen if you replace the LED with electric lamps in the same circuit?

7. The human body can conduct electricity and contact with an electric current can cause serious injury or even be fatal. That's why it is important to use electrical appliances safely. Create a poster on the importance of electrical safety including the key do's and don'ts to follow while handling electrical appliances. Also list the electrical tools found in your home that are used for repairing and testing electrical devices. Do this activity on an A4 size sheet.



“Pure Mathematics is, in its way, the poetry of logical ideas.”

Student’s Name: _____ Roll Number: _____ Date: _____

General Instructions:

All work must be done neatly in the Mathematics notebook

Use pencil for figures and ruler for tables.

Activity, charts, and models may be done on A4 or chart paper.

Holiday homework will be assessed for creativity, accuracy, and presentation.

Q-1) Explain the following concepts in your own words.

- a) Natural numbers and whole numbers
- b) Prime numbers
- c) Fractions as part of a whole
- d) Meaning of perimeter and area
- e) Understanding symmetry in daily life objects

Q-2) Write clear and correct definitions of the following:

- a) Prime number
- b) Improper fraction
- c) Proper fraction

d) Line segment

e) Perimeter

f) Area

Q-3) Draw neat and labelled figures of: (

a) Square

b) Rectangle

c) Triangle

d) Line, ray, and line segment

e) Any two symmetrical shapes

Q-4) Write and learn the formulas for:

a) Perimeter of a square

b) Perimeter of a rectangle

c) Area of a rectangle

d) Area of a square

e) Area of equilateral triangle

Q-5) Write and explain basic mathematical statement in simple words:

a) Sum of two even integers is always an integer

b) Adding zero to any number does not change the number.

c) The sum of two negative integers is always negative

Q-6) Make any one working or non-working model using waste or craft material:

a) Fraction wheel

b) Perimeter using matchsticks

c) Symmetry using mirror

d) Place value chart

Q-7) Prepare any two charts:

a) Types of numbers with examples

b) Types of fractions

c) Symmetry in alphabets

d) Types of angles

(Use colours, labels, and neat presentation)

Q-8) ANALYSE IN YOUR FAIR NOTEBOOK

1) Why is 1 neither prime nor composite? Explain with examples.

2) Observe different fractions and write which fraction is greater and why.

3) Compare perimeter and area of a square and rectangle having the same length. Which one has a bigger area? Explain.

4) Take any 5 integers (positive and negative). Add them and subtract them. Write observations.

5) Draw 3 different shapes with same perimeter. Which one has the largest area? Explain.

6) Observe the letters in your name. Find lines of symmetry in each letter and explain why.

7) Take any fraction and represent it on a fraction wheel or number line. Explain what it shows.

8) Choose any 2 constructions you made (triangle, line segment, square). Write what rules you followed and what you learned from it.

SANSKRIT

सरस्वति महाभागे विद्ये कमललोचने। विद्यारूपे विशालाक्षि विद्यां देहि नमोऽस्तुते॥

भावार्थ : हे महाभाग्यवती ज्ञानरूपा कमल के समान विशाल नेत्र वाली, ज्ञानदात्री सरस्वती ! मुझको विद्या दो, मैं आपको प्रणाम करता हूँ।

Student's Name: _____ Roll Number: _____ Date: _____

1-पठ्, लिख्, हस्, नम्, क्रोधातुओं का वह लोट विधिलिङ्ग लकारों के प्रत्ययों को जोड़कर धातु रूप बनाएं।

2 गृहजनानां मित्राणां वा सहाय्येन पंचदश (15) गृह बस्तु नामानि संस्कृते लिखत।

3- अष्मद् युष्मद्, तद् (तीनों लिङ्गों में) सर्वाणि रूपाणि A Size पत्र लिया।

4- माता-पिता सह चर्चा कृत्वा, क्रिया प्रयोगेण 10 संस्कृते वाक्यं लिखन्तु।

5- शिष्टाचारभ्य विषये पञ्चानां शलोकानां संग्रहं कुर्वन्तु स्मरन्तु च।

6-नीचैः प्रदनेषु महापुरुषु एकस्य लघु जीवन वृतं संस्कृते लिखत।

(क) स्वामी विवेकानन्दः (ग) महाकवि कालिदासः (घ) महर्षि पाणिनी

नोट – केवल प्रश्न संख्या 3 को छोड़कर सभी प्रश्न अपनी संस्कृत नोटबुक में सुंदर तरीके से करें।



“शिक्षा सबसे शक्तिशाली हथियार है, जिसे आप दुनिया को बदलने के लिए उपयोग कर सकते हैं।”

-नेल्सन मंडेला

Student's Name: _____ Roll Number: _____ Date: _____

लेखन कार्य

1. समय का महत्व विषय पर 100 शब्दों का अनुच्छेद लिखिए।
2. मेरा प्रिय त्योहार पर 100 शब्द लिखिए।
3. पेड़-पौधों का महत्व पर अनुच्छेद लिखिए।
4. अपने मित्र को पत्र लिखिए जिसमें आप अपनी छुट्टियों के बारे में बताएं।
5. मेरी पसंदीदा पुस्तक पर 8-10 वाक्य लिखिए।

व्याकरण

6. संज्ञा की परिभाषा लिखिए।
7. सर्वनाम की परिभाषा लिखिए।
8. विशेषण की परिभाषा लिखिए।
9. क्रिया की परिभाषा लिखिए।
10. भाववाचक संज्ञा के 5 उदाहरण लिखिए।

पर्यायवाची शब्द लिखिए(2-2)

11. सूर्य
12. जल
13. पृथ्वी
14. मित्र
15. आकाश

विलोम शब्द लिखिए

16. सुख
17. दिन
18. अच्छा
19. आगे
20. नया

लिंग बदलिए

21. राजा
22. पुत्र

23. शेर

24. देव

25. नायक

मुहावरे

इन मुहावरों के अर्थ लिखिए:

26. आँखों का तारा

27. नौ दो ग्यारह होना

28. दाँत खट्टे करना

29. हाथ पर हाथ धरे बैठना

30. सिर पर चढ़ाना

रचनात्मक कार्य

31. 5 हिन्दी पहेलियाँ लिखिए और उनके उत्तर लिखिए।

32. किसी कवि (कबीर/तुलसीदास) की एक कविता लिखिए।

33. अपने विद्यालय का चित्र बनाइए और उसके बारे में 6-7 वाक्य लिखिए।

34. 10 नए हिन्दी शब्द लिखिए और उनके अर्थ लिखिए।

35. 10 लोकोक्तियाँ लिखिए और उनके अर्थ लिखिए।

36. किसी हिन्दी कहानी का संक्षेप (8-10 वाक्य) लिखिए।

37. 20 शब्दों की शब्द श्रृंखला बनाइए।

38. स्वच्छता पर 5 नारे लिखिए।
39. अपने प्रिय शिक्षक के बारे में 8 वाक्य लिखिए।
40. पर्यावरण बचाने के 5 उपाय लिखिए।
41. प्रतिदिन 1 पृष्ठ सुलेख लेखन कीजिए।
42. “मेरा प्रिय मित्र” विषय पर अनुच्छेद लेखन कीजिए।
43. 15 मुहावरे अर्थ और वाक्य सहित लिखिए।
44. 15 लोकोक्तियाँ अर्थ सहित लिखिए।
45. 20 पर्यायवाची शब्द लिखिए।
46. 20 विलोम शब्द लिखिए।
47. अपनी गर्मी की छुट्टियों पर डायरी लेखन कीजिए।
48. किसी एक राष्ट्रीय नेता का चित्र चिपकाकर 10 पंक्तियाँ लिखिए।
49. “स्वच्छ भारत अभियान” विषय पर पोस्टर बनाइए।
50. अपनी पसंदीदा कहानी पढ़कर उसका सारांश लिखिए।
51. “यदि मैं शिक्षक होता/होती” विषय पर निबंध लिखिए।
52. 10 अनेक शब्दों के लिए एक शब्द लिखिए।
53. 10 श्रुतिसम भिन्नार्थक शब्द लिखिए।
54. प्रतिदिन हिंदी समाचार पत्र से 5 नए शब्द लिखकर उनके अर्थ ज्ञात कीजिए।
55. “वर्षा ऋतु” विषय पर छोटी कविता लिखिए।
56. अपने माता-पिता का साक्षात्कार लेकर 10 वाक्य लिखिए।
57. किसी ऐतिहासिक स्मारक की जानकारी चित्र सहित एकत्र कीजिए।
58. प्रतिदिन 15 मिनट हिंदी पुस्तक का वाचन



“Art washes from the soul the dust of everyday life.”

-Pablo Picasso

Student’s Name: _____ Roll Number: _____ Date: _____

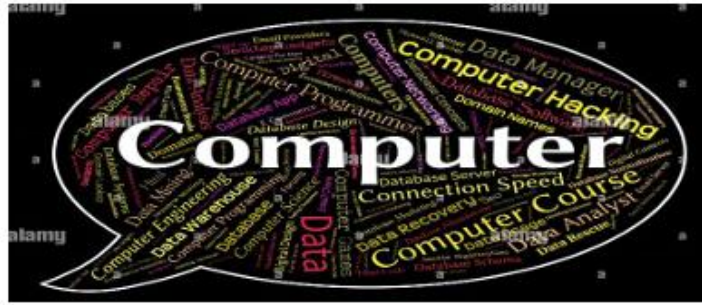
1. Colour Work: 'Save Environment Poster' – Create a colourful poster with a meaningful slogan on saving the environment.
2. Shading Work: 'Fruit Basket Shading' – Draw a basket of fruits and apply shading to show depth and realism.
3. Chart Work: 'Nature Chart' – Prepare a colourful chart showing trees, rivers, and animals.



Student's Name: _____ Roll Number: _____ Date: _____

All questions are mandatory to attempt.

1. Learn – How to introduce yourself formally in English.
2. Write 10 sentences about yourself.
3. Make 10 questions using WH family words.
4. Write 10 answers of WH family questions.
5. Learn all the given phrases form your N/B.
6. Write names of 20 fruits in English and use in daily life speaking
7. Write & learn names of 10 dry fruits in English & use them.
8. Learn spellings and pronunciation of all fruits and dry fruits.
9. Speak your formal introduction daily in front of your family & Mirror.
10. Use at least 5 WH questions in daily conversation.
11. Use 5 sentences daily in your daily life conversation.
12. Learn 5 words daily.



“Computer Science is no more about computers than astronomy is about telescopes.”

Student’s Name: _____ Roll Number: _____ Date: _____

Q.1) Tick() the correct option.

a) What is the another name for Base 2?

- (i) Binary number system
- (ii) Hexadecimal number system
- (iii) Decimal number system
- (iv) Octal number system

b) What are the two symbols present in the binary number system?

- (i) 1 and 2
- (ii) 8 and 9
- (iii) 0 and 1
- (iv) 5 and 6

c) In binary addition, $0+1$ is equal to _____.

- (i) 0
- (ii) 1
- (iii) 10
- (iv) 2

d) Which of the following is an effective way to display data in a pictorial form?

- (i) Picture
- (ii) Table
- (iii) Chart
- (iv) Graphics

e) Which of the following describes the main aim of the chart?

- (i) Title bar
- (ii) Chart title

(iii) Chart description

(iv) X-axis

Q.2) Fill in the blanks:

- a. In binary subtraction, $1-1$ equals to _____.
- b. The base of binary number system is _____.
- c. In binary addition, $1 + 1$ is equal to _____.
- d. The octal number system consists of _____.
- e) _____ is used to draw comparison and analyse the growth and trends among the values in a table.
- f) _____ can be either horizontal or vertical lines.

Q. 3) Write 'T' for true and 'F' for false.

- a. A number system is simply a manner of counting.
- b. The base of decimal number system is 8.
- c. The word binary comes from 'Bi-' meaning two.
- d. Data representation using charts is quite inefficient.
- e. Y-axis of a chart is also known as the category axis.

Q.4) Answer the following question:-

- a) What is Bar chart?
- b) What is Area chart?
- c) Define a Number System.
- d) What is the difference between Decimal and Binary systems?
- e) Explain any 5 components of chart.

Q.5) Application-based questions.

- Suman wants to present the information in the form of a chart. She has a data of single series and the graph must show relative circular size of each value. Which chart type must she use?
- You're presenting your class project on how different sports teams performed throughout the year. Which types of charts in Excel will help you visualise and compare the performance of each team more clearly?

Q.6) Practical Task:-

- Create a Student Marksheet, calculate results, and visualize data using Column and Pie charts.
- Create a 6-8 slide presentation on the topic of "Independence Day", include pictures.
 - ❖ (Note:- Take a printout of these and submit it when the school will open)

Q.8) Creativity task:-

- Make a beautiful chart about the topic of “Number System”. (Roll no. 1 to 20)
- Make a beautiful chart about the topic of “ Different types of chart in Excel” (Roll no. 21 to 40)

