

MDS PUBLIC SCHOOL, MADINA (ROHTAK)

SUMMER HOLIDAYS HOMEWORK

SESSION – (2025-26)

CLASS- 7TH



“MAKE THE MOST OF YOUR BREAK, STAY CREATIVE AND CURIOUS!”

Out of difficulties grow miracles. Tough time doesn't last.

Dear Students,

The beginning of new session might not have been with pomp and show, but the spirit of teaching learning continues in the school. The summer vacations this time would not be ice creams, candies and cool pool, but time can be utilized in honing skills.

Some points to be remember

- Drink plenty of juice and water to avoid dehydration.
- Make hand washing and hygiene a part of your routine.
- Holiday Homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.
- It's the perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.
- Reading is essential for those who seek to rise above the ordinary. Spend your quality time reading purposeful books.
- A beautiful handwriting makes a good impression. Practice one page of English and Hindi handwriting daily.
- Holiday homework should be your authentic creative work.
- Holiday Homework is given according to roll numbers.
- Holiday Homework will be submitted in paper bag as per the given schedule.

Here are the ways by which you can make your holidays fun and learning at the same time:-

- **Go for walk, talk about things you see around.**
- **Speak in English as much as possible.**
- **Help your parents in small household chores like dusting, cleaning and watering the plants.**

NOTE:-Do all the assignments in neat and legible handwriting in separate notebook.

Parents are requested to just guide the children to complete the task on their own.

SUBJECT – S.SC

Activities

1. Maintain an A4 size sheet 7 day weather journal for your city—record temperature, rainfall, humidity, and observations.
2. Take an A4 size sheet and mark physical features of India (rivers, mountains, plateaus) on a political map using color coding.
3. Make a poster on 'How to Conserve Environment?' on an A4 size sheet.
4. Make a Wall hanging and Write the fundamental rights on it.
5. Find out the traditions and customs of any one of the neighbouring countries and make a comparative study with your own country, India. Compare it on an A4 size sheet by using some pictures also.
6. Make a notebook and write 5 to 7 lines every day that what you meet with and what you have learnt from that situation .Also learn a new moral and ethical from it.
7. Revise syllabus till done in class.

SUBJECT-ENGLISH

1. Write 5 English news daily and match words with your English book and write their meanings also. (At list 50)
2. Write 10 pages of beautiful handwriting.
3. Do worksheet no.-1,2,3,4,6,8 from your assignment book.
4. English Fun With Family.
 - Talk to your family members and ask them:-
 - Which is your favourite memory?
 - Which game did you play as a child?
 - Write a paragraph on any topic (10-12 lines) on what you learned from that.
5. Interview Time:-
 - Pretend you are a reporter!
 - Interview any elder(parent, grandparent)
 - Ask 5 ques. about their childhood.Write the answers in dialogue format.
6. Watch and Write
 - Watch any one English animated movie or cartoon episode**Write:**
 - Name of the show/movie
 - 5 new words that you learned
 - A short summary
7. My Book Buddy
 - Read any one short novel or storybook
 - Make a creative book jacket with:
 - Title and Author
 - Main Characters
 - One Drawing
 - A short review (5-6 lines)
8. Revise all the syllabus done in the class.

1. कपड़े का प्रयोग करके अपने बड़ों की सहायता से एक कठपुतली बनाइए ।
2. प्रकृति के उत्पादकों जैसे सूरज, पेड़, फूल, चंद्रमा, बादल, ग्रीष्म ऋतु, शीत ऋतु और वर्षा ऋतु पर कविता (सचित्र) बनाइए तथा उन्हें कंठस्थ करके अपने अध्यापक के पास रिकॉर्डिंग भेजें ।
3. समास की परिभाषा देते हुए उसके भेद पर चार्ट बनाइए ।
4. कक्षा में किए गए कार्य को दोहराए ।
5. आप इस ग्रीष्मावकाश में जहां भी घूमने जाएं वहां का यात्रा वृत्तांत चित्र सहित लिखें ।

इसमें निम्नलिखित जानकारी समाहित करें -

- क) उस स्थान को देखने जाने का उचित समय ।
- ख) होने वाले खर्च का अनुमान ।
- ग) ठहरने की जगह ।
- घ) देखने योग्य स्थल
- ड) आपके शहर के और उस शहर के तापमान, प्रदूषण के स्तर, खान-पान व्यंजन, अभिवादन का तरीका आदि में अंतर भी बताएं ।

6. बूझो तो जाने :-

- 1) कमर बांधे घर में रहता, सुबह - शाम जरूरत है पड़ती | बताओ क्या?
- 2) हरी झंडी लाल कमान, तोबा -तोबा करे इंसान ।
- 3) नाक पर चढ़कर कान पड़कर लोगों को है पढ़ाती ।
- 4) हरे हरे से है दिखे पक्के हो या कच्चे, भीतर से यह लाल मलाई जैसे ठंडे मीठे लच्चे ।
- 5) सफेद तन हरी पूँछ, न बुझे तो नानी से पूँछ ।

7. निम्नलिखित पद्यांश के प्रश्नों के उत्तर दो -

मेरे देश में सब देशों को, दिया ज्ञान का था उपदेश। जियो और जीने दो सबको, सब धर्मों का यह संदेश। कभी किसी का जी न दुखाओ, देखो सब में वह अखिलेश। इस धरती को स्वर्ग बनाओ, मिट जाएँगे सभी कलेश। सभी सुखी हों, सब नीरोग हों, है यह अपनी बात विशेष। मेल-जोल बढ़ता ही जाए, दुख दरिद्रता रहे न शेष।

1. इस पद्यांश में कवि कौन-से देश के बारे में चर्चा कर रहा है?
(क) अमेरिका की (ख) ब्रिटेन की (ग) भारतवर्ष की (घ) रूस की
2. सब धर्मों का क्या संदेश है?
(क) खाओ पिओ (ख) निरोग रहो (ग) जियो और जीने दो (घ) उपर्युक्त सभी
3. इस धरती को कैसे स्वर्ग बनाया जा सकता है?
(क) सभी प्रकार के दुख और कलेशों को मिटाकर (ख) निरोगी होकर
(ग) खा पीकर (घ) मेल-जोल बढ़ाकर।
4. अपनी कौन - सी बात विशेष है?
(क) सभी सुखी रहें । (ख) किसी को किसी प्रकार का ।
(ग) सभी स्वस्थ रहें । (घ) उपर्युक्त सभी ।
5. पद्यांश का उचित शीर्षक होगा-
(क) अपना देश (ख) अमेरिका (ग) हमारा भारतवर्ष (घ) इनमें से कोई नहीं

8. निम्नलिखित गद्यांश को पढ़कर उत्तर दीजिए -

एक सामाजिक प्राणी है। वह सभी कार्य अपने आप नहीं कर सकता। वह अनेक कार्यों में दूसरों की सहायता लेता है तो उसे भी दूसरों की मदद करनी पड़ती है। सहायता के इस प्रकार के आदान-प्रदान के अभाव में समाज जीवित नहीं रह सकता। समाज में रहकर व्यक्ति अनेक लोगों के संपर्क में आता है। उनमें से कुछ लोग अच्छे होते हैं तो कुछ बुरे। मनुष्य पर सभी प्रकार के लोगों का थोड़ा या बहुत प्रभाव अवश्य पड़ता है। पर यह बात स्पष्ट है कि बुरे लोगों की संगति में रहने पर उस पर बुरा तथा अच्छे व्यक्ति के संपर्क में आने का अच्छा प्रभाव पड़ता है। इसीलिए किसी ने ठीक ही कहा

है 'खरबूजे को देखकर खरबूजा रंग बदलता है।' व्यक्ति को चाहिए कि वह अच्छे लोगों के साथ उठे-बैठे और अच्छा फल प्राप्त करे जिससे न केवल अपना बल्कि समाज एवं देश का भी हित हो सके।

1. उपर्युक्त गद्यांश का उपयुक्त शीर्षक होगा-

- (क) मनुष्य और समाज (ख) मनुष्य सामाजिक प्राणी
(ग) संगति का प्रभाव (घ) मनुष्य का धर्म

2. मनुष्य को सामाजिक प्राणी कहा गया है, क्योंकि

- (क) वह समाज में रहता है | (ख) वह समाज से अलग नहीं रह सकता |
(ग) वह समाज का अंग है | (घ) समाज उसकी सहायता करता है |

3. समाज के जीवित रहने के लिए आवश्यक है-

- (क) एक दूसरे से मेल जोल (ख) एक दूसरे की सहायता
(ग) अपने-अपने कर्तव्य का पालन (घ) उपर्युक्त सभी

4. खरबूजे को देखकर खरबूजा रंग बदलता है।

लोकोक्ति का अर्थ है-

- (क) एक दूसरे को देखकर बदल जाना (ख) एक दूसरे की नकल करना
(ग) एक दूसरे की संगति का प्रभाव पड़ना (घ) एक दूसरे की सहायता करना

5. व्यक्ति के लिए अपना, समाज का तथा देश का हित करने के लिए क्या करना चाहिए ?

- (क) अपने कर्तव्य का पालन (ख) दीन-दुखियों की सहायता
(ग) मिल जुलकर रहना (घ) अच्छे लोगों की संगति

SUBJECT-SCIENCE

Instructions for Students:

1. Holiday homework is divided into three parts:

***Revision work**

***Project Work on A4 Sheets**

***Written Work in Separate Notebook**

2. Each student must complete all three parts.

3. Work must be neat, well-organized, and written in your own words.

4. Diagrams must be labeled properly and colored wherever required.

5. A4 sheets should be submitted in a folder with your name and roll number.

6. Group topics are assigned based on roll numbers. Check your group carefully.

Group Division

Group A: Roll Numbers (1 to 6)

Group B: Roll Numbers (7 to 12)

Group C: Roll Numbers (13 to 19)

➤ Group A –Roll Numbers 1 to 6

A. Revision work:

Revise chapter 1(Nutrition in plants)

Chapter 2 (Nutrition in animals)

Chapter 3(Heat)

B. Project Work (A4 Sheet):

Make a poster showing types of Nutrition in Plants (Autotrophic & Heterotrophic) with diagrams and examples.

C. Written Work (Notebook):

1. Write 5 physical and 5 chemical changes you observe in daily life.
2. Draw and explain the process of photosynthesis with labels.

3. Write a short note on the importance of air in respiration in humans and plants.

➤ **Group B – Roll Numbers 7 to 12**

A. Project Work (A4 Sheet):

Make a Project on Human digestive system.

B. Written Work (Notebook):

1. Write about different modes of reproduction in animals (with 2 examples each).
2. Explain the working of a simple electric circuit and precautions while handling electricity.
3. Define: Combustion, Transpiration, Defecation, Deforestation.

➤ **Group C – Roll Numbers 13 to 19**

A. Project Work (A4 Sheet):

Design a poster on water conservation techniques used in rural and urban areas. Use slogans and images.

B. Written Work (Notebook):

1. Write a paragraph on the importance of forests and how we can conserve them.
2. Create a table showing types of motion (linear, circular, oscillatory) with examples.
3. Write 5 safety precautions to follow during thunderstorms and lightning.

SUBJECT-IT

1. Make a chart on topic (Number System).
2. Make a chart on topic (Internet Services).
3. Make a video on topic Number System or Internet Services (any 10 slides).
4. Make a Computer Science Presentation:
 - **Task:** Prepare a PowerPoint presentation about an interesting topic in computer science such as Artificial Intelligence, the Internet of Things (IOT), or the history of computers.
 - What to include: Slides with information, images, and bullet points, as well as a conclusion.
 - Learning Outcome: Research skills and how to present information effectively.
5. Learn chapter 1 and 2.

SUBJECT-AI

1. Make a chart on topic (Future of AI).
2. Make a chart on topic (AI Ethics).
3. Make a video in Ms Excel (any 10 slides).
4. **AI Activity:**
 - Task:** Try using an AI-based tool or app. Examples include:
 - Voice assistant (Google Assistant, Siri ,Alexa)
 - Chat bots (e.g., customer service bots)
 - Image recognition apps (e.g., Google Lens)
 - After using the tool, write a paragraph about your experience. Answer the following:
 - i. How did the AI understand your request or input?
 - ii. Was it helpful? Why or why not?
 - iii. Can you think of ways this AI tool could be improved?

विषय - संस्कृत

1. एक से पचास तक गिनती लिखें एवम् याद करें ।
2. प्रथम पाठ के सभी श्लोक (व्याख्या सहित) लिखें एवम् याद करें ।
3. निम्नलिखित शब्द रूपों एवम् धातुओं को लिखें एवम् याद करें ।
शब्द रूप- मति,नदी,वारि ,एतत् (तीनों लिंगों में)
धातु रूप- कृ,दृश्,स्था,वस्,चर्
4. द्वितीय पाठ के आधार पर एक चार्ट का निर्माण करें ।

General Knowledge

1. Quiz Yourself! (Worksheet)

- Create a GK quiz with 20 questions. Include topics like:
- Famous monuments of India and the world
- Capitals and currencies
- Indian freedom fighters
- Inventions and inventors
- Sports personalities

2. My Country, My Pride – Scrapbook

Make a scrapbook about India:

- National symbols (flag, bird, flower, etc.)
- 5 UNESCO World Heritage Sites in India
- Famous Indian scientists and their contributions
- States and their traditional dress/food/festivals

3. Current Affairs Diary

- Maintain a weekly diary (at least 4 entries).
- Pick one major news headline per week.
- Write:
- Headline
- Date
- 3-4 lines explaining what happened and why it is important.

4. Fun with Flags

- Draw or print flags of 10 different countries.
- Write:
- Country name
- Capital
- One interesting fact

5. Create a GK Crossword or Word Search

- Make a crossword puzzle using 10-15 GK words.
- E.g. "Capital of France" → Paris
- Or make a word search with hidden country names or famous personalities.

6. Explore and Write

Choose any 1 topic and write a short paragraph (100–150 words):

- A famous scientist and their invention
- An Indian festival and how it's celebrated
- A world wonders you would like to visit

SUBJECT-MATHS

1. Revise ch-1 and 2
2. Find the fraction of number of members to the number of house in your neighbour.
3. Survey in your Village or town and find out the likes and dislike subject of children.

Worksheet - 1

FILL IN THE BLANKS

1. _____ is the additive identity and _____ is the multiplicative identity of integers.
2. $(-1) \times$ even number of times = _____
3. $(-1) \times$ odd number of times = _____
4. $38 \div 0 =$ _____
5. $0 \div 11 =$ _____
6. $13 \div 1 +$ _____
7. $55 +$ _____ = 0
8. $(-31) +$ _____ = 0
9. $(-55) +$ _____ = -89
10. $(-33) +$ _____ = 79
11. $1000 +$ _____ = - 1000
12. $[(-7) + 9] + (\quad) = 9 + [-7 + 4]$
13. $(-6) + 2 = 2 (\quad)$
14. $251 \div$ _____ = 1
15. $(-70) \div$ _____ = 5

16. _____ $\div$ 993 = 0
17. _____ $\div$ 2395 = 1
18. (-3589) $\div$ _____ = -1
19. 22 $\div$ _____ = -11
20. (-1) $\times$ (-1) $\times$ (-1) $\times$ (-1) $\times$ (-1) = _____

Solve the following sums:

1. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A.
2. A man has Rs. 20,000 in his account in a bank. He withdraws Rs. 3000 per month for the first two months and deposits double of this amount on third month. What will be the balance in his account after 3 months?
3. Verify $a - (-b) = a + b$ for the following values of a and b. i) $a = -17, b = +15$ ii) $a = 50, b = 21$
4. Use $>$, $<$ OR $=$ symbols in the blank space in each of the following
 - a. $(-3) - (-5)$ $(-4) + (-9)$
 - b. $71 - 2 - 31$ $71 - 2 + 31$
 - c. $39 + (-35) - (58)$ $37 + (-11) - (+26)$
 - d. $23 + (-8) - 7$ $9 - 13 + 12$
5. The temperature at a place rises from -20°C to 20°C . What is the rise in temperature?
6. A place P is 82 m above the Sea level and another place is 13 m below the Sea level. What is the distance between the two places?
7. Write down a pair of integers whose
 - i) sum is -6 ii) difference -8
 - iii) difference 3 iv) sum 0
8. Write a negative integer and a positive integer whose
 - a) sum -9 b) difference -4 c) sum 0

9. Find the value of each of the following products
- i) $(-3) \times 15$ ii) $4 \times (-13)$ iii) $(-23) \times (-31)$
- iv) $(-3) \times (-2) \times 7$ v) $2 \times (-3) \times (-1) \times (-5)$
- vi) $(-259) \times (-51) \times 0$ vii) $(-8) \times 2 \times (-3) \times 5 \times (-1)$
- viii) $(-2) \times (-4) \times 0 \times (-6) \times (-8)$ ix) $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$
10. Verify the following
- i) $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
- ii) $(-7) \times [(-8) + 9] = [-7 \times (-8)] + [(-7) \times 9]$
11. What will be the sign of the product a x b if
- i) a is the product of 5 positive integers and b is the product of 9 negative integers.
- ii) a is the product of 6 positive integers and b is the product of 8 negative integers.
- iii) a is positive and b is the product of 50 negative integers.
12. Find the value of a if product of a with -1 is i) 200 ii) 0 iii) -300
13. Find the product using suitable
- Property :-**
- a. $8759 \times 2391 - 2391 \times 7759$
- b. $(-9785) \times 937 + (-215) \times 937$
- c. $35 \times (-25) \times (-4) \times 10$
14. Find the value of each of the following
- i) $39 \div (-13)$ ii) $(-729) \div 9$ iii) $(-144) \div (-12)$
- iv) $(-20000) \div (-200)$ v) $20513 \div (-1)$
- v) $(-49) \div [(-48) + (-1)]$ vii) $[84 \div (-12)] \div 7$
- viii) $[(-10) + 5] \div [20 + (-15)]$
15. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer
- i) Rohan answered all questions and scored 24 marks though he got 8 correct answers.
- ii) Smitha answered all questions and scored (-15) marks though he got 3 correct answers. How many incorrect answer had they attempted?



Dr. A.P.J Abdul Kalam – The Missile Man of India

Our mission is water

My mother called me Blue Nile

I am also named by mother White Nile

When we grew and grew we asked

Oh mother, Oh mother

Tell us, why did you name us Nile

Our mothers said lovingly

Oh our children

You travel and travel

Cross mountains, forests and valleys

Thousands of miles, enriching nine countries

you reach Khartoum

you Blue and White Niles confluence with a mission

God has commanded you to give a message

you give a beautiful message

When we rivers confluence

Oh humanity why not your hearts confluence

And you blossom with happiness

By:- Dr. A.P.J Abdul Kalam