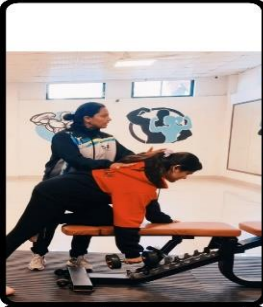**JUNE 2024**

SUMMER VACATION HOLIDAY HOMEWORK

2024-2025

CLASS: VII (A+B)

ACTIVITIES

SESSION 2024
DEAR PARENTS

Vacation is the time for the children to explore their myriad interest and indulge in various activities which would lead to their all-round development.

Summer Vacation is the most awaited time for both parents and kids. We have tried to keep the homework simple, informative, interesting and fun filled.

Here are a few tips for parents to act as a facilitator to help your child balance his/her eagerness in pursuing adventure, creativity and self-expression with development of responsibility.

- Make sure that you are spending quality time with your wards.
- Teach them the importance of moral value in their life.
- Motivate them to read good books.
- Encourage and help your child in shouldering responsibilities in household chores. It will aid them to be independent.
- Keeping in view the prevailing situation, indulge yourself in various indoor games with them.
- Encourage the child to wish 'Good Morning' and 'Good Night' to everybody.
- Encourage the child to speak simple sentences in English
- Talk respectfully with the child and encourage your child to do the same.
- Motivate the child to use polite words such as 'Please', 'Thank You', 'Sorry', 'May I'.
- Revise the work done in the classes.

Please note: Use resources (rough notebook) only which are available at home to complete all homework including project work. Prepare a systematic time table and follow it religiously from the very first day. Allow them to complete homework on their own under your guidance. Make these holidays memorable for the young learners by providing a nurtured and stimulated environment at home which is full of fun, excitement, and learning. Wish you all safe and healthy holiday ahead!

HOLIDAY Homework

Sr. No.	Subjects	Name of Subject Teacher (Section - A)	Phone No.
1	ENGLISH	MS. SHIVANI	8981435834
2	HINDI	MS. LUCKY	9992221456
3	MATHS	MR. MOHIT	9540173893
4	SCIENCE	MS. MINAKSHI	7027491010
5	SOCIAL STU.	MR. ARJUN	9368210839
6	COMPUTER	MS. DAYA (CLASS TEACHER)	8396817748
7	FRENCH	MS. MUSKAN	9205632779

Sr. No.	Subjects	Name of Subject Teacher (Section - B)	Phone No.
1	ENGLISH	MS. SHIVANI	8981435834
2	HINDI	MS. UPASANA	9026690634
3	MATHS	MS. PRERNA	7906974666
4	SCIENCE	MR. AMAN KUMAR	9718767021
5	SOCIAL STU.	MR. AMAN AGARWAL	8909890342
6	COMPUTER	MS. DAYA	8396817748
7	FRENCH	MS. MUSKAN (CLASS TEACHER)	9205632779

Subject Wise Holiday Homework

Sr. No	Subject	Holiday Home Work
1	English	**1. Reading Work: -** • Read Ch-1, 2, 3 and learn all its question answers and word meanings. • Read Poem-1 and learn all its question answers, word meanings and its summary. • Read a book of your choice and write its summary in 4-5 pages in separate stick file and decorate it. **2. Writing Work:** • Write one-page cursive writing for twenty days in your separate holiday homework notebook
2	Hindi	• **व्याकरण -** पाठ-5 और पाठ-19 तथा पाठ्यपुस्तक से पाठ-4 के शब्द-अर्थ, प्रश्न-उत्तर एवं अभ्यास-प्रश्न-उत्तर याद करें, और प्रतिदिन दस पंक्तियाँ सुलेख हिंदी की अलग पाठ्यपुस्तिका में लिखें। • एक देशभक्ति या प्रेरणादायक कविता की 12 पंक्तियाँ एक फाइल के पेज में चित्र सहित लिखें और याद करें।
3	Mathematics	**1. Practice Work: -** a. Practice of Ch-1 & 2 of foundation mathematics in practice notebook of mathematics. **2. Learning Work.** a. Learn Table 2 to 25. **3. Writing Work: -** a. Complete the attached worksheet of mathematics and paste it in maths notebook.
4	Science	**Biology-**Read Ch-1 & do the practice time in fair notebook **Chemistry -** Read Ch-1 & do the practice time in fair notebook **Physics -** Read Ch-1& do the practice time in fair notebook
5	Social Studies	**1. History: -** a. Write a short essay on the importance of the regional kingdom. b. Create a timeline of major events in medival India (from the Rajput to the Muslim period).

		c. Read a book on a historical figure from ancient India and write a book review.
		
		2. Geography: -
		  a. Label a map of India with major rivers, mountains, and cities.
		  b. Write a short report on the climate and vegetation of a selected region in India.
		  c. Create a diagram showing the water cycle process.
		
		3. Civics: -
		  a. Write a short essay on the importance of fundamental rights in India.
		  b. Create a chart comparing the roles and responsibilities of the three branches of government (legislative, executive, and judiciary).
		  c. Write a letter to your local representative expressing your thoughts on a current social issue.
		
		Project Work: -
		  a. Create a collage or scrapbook on a selected topic (e.g., freedom fighters, natural wonders of India, etc.).
		  b. Conduct a survey or interview family members on a social issue (e.g., education, healthcare, etc.).
		  c. Write a script and create a short skit on a historical or social issue.
		
		• **Remember:-**
		  • Use your textbooks, online resources, and library books for reference.
		  • Be creative and original in your work.
		  • Have fun exploring and learning!

6	**Computer**	1. **Research Task/Project:**
		  a. Make any five Power Point Presentation on the topic: **Safely Browsing**
		  b. Paste the pictures of different Antivirus, Virus and write few lines about it in Fair Note Book.
		2. **Reading & Vocabulary Building:** Read Ch-3 from book.
		3. **Learning Work:** Learn Ch-2 for class test.
		4. **Writing Work:**
		  a. Do book exercise of Ch-3 in Fair Note Book.
		  b. Do given assignment attached with this document.

7	**French**	1. **Project Work: -** a. Write about any five famous French personalities on A4 size sheets and also paste pictures of it (Minimum 5 sentences in French on each personality). 2. **Learning Work: -** a. Learn Alphabets, Numbers name, weekdays and months name with pronunciation. 3. **Writing Work: -** a. What is French Revolution? When did the French celebrate their revolution and why is 14th July celebrated as the National Day of France? (Do in your French notebook and write answer in English).

Part A: Basic Integer Operations

1. **Addition of Integers**

   a. $5+(-3)=$ _____

   b. $-7+(-4)=$ _____

   c. $-6+8=$ _____

   d. $12+(-15)=$ _____

2. **Subtraction of Integers**

   a. $9-(-2)=$ _____

   b. $-5-3=$ _____

   c. $-10-(-7)=$ _____

   d. $14-20=$ _____

3. **Multiplication of Integers**

   a. $4\times(-6)=$ _____

   b. $-7\times(-3)=$ _____

   c. $-8\times5=$ _____

   d. $0\times9=$ _____

4. **Division of Integers**

   a. $18\div(-6)=$ _____

   b. $-24\div8=$ _____

   c. $-15\div(-3)=$ _____

   d. $32\div(-4)=$ _____

Part B: Integer Word Problems

5. John has $10. He owes his friend $7. How much money does he have left after paying his friend?

6. The temperature was -5°C in the morning. By noon, it rose by 12°C. What is the temperature at noon?

7. A submarine is at a depth of 300 meters below sea level. It ascends 150 meters. What is its new depth?

8. A mountain climber ascends 350 meters and then descends 275 meters. What is the net change in the climber's altitude?

Part C: Comparing and Ordering Integers

9. **Compare the following pairs of integers using >, <, or =**

   a. −8 _____ -10

   b. 55 _____ −3

   c. −15_____ −15

   d. 00 _____ −1−1

10. **Order the following sets of integers from least to greatest**

    a. −3,7,−1,4,−5−3,7,−1,4,−5

    b. 0,−4,2,−2,10,−4,2,−2,1

Part D: Absolute Value

11. **Find the absolute value of the following integers**

    a. $|-7|=$ _____

    b. $|4|=$ _____

    c. $|0|=$_____

    d. $|-15|=$ _____

12. **Solve the following using absolute values**

    a. $|-3|+|5|=$_____

    b. $|8|-|2|=$ _____

    c. $|-9|\times|3|=$_____

    d. $|12|\div|4|=$ _____

Part E: Practical Applications

13. A company's stock value dropped by 12 points and then rose by 20 points. What was the net change?

14. A scuba diver is at a depth of -25 meters. He descends another 15 meters. What is his final depth?

Computer Worksheet
Class - 7
Chapter 1: Number Systems

A. Tick (✓) the correct answers.

1. The binary digit '0' means
   - a. ON
   - b. OFF
   - c. Both a. and b.

2. Which number system uses eight digits from 0 to 7?
   - a. Octal
   - b. Decimal
   - c. Hexadecimal

3. How many digits are used in hexadecimal number system?
   - a. 10
   - b. 16
   - c. 6

4. In which arithmetic operation, the output of 1 + 1 = 10, where 1 is carry over.
   - a. Binary Subtraction
   - b. Binary Addition
   - c. Binary Multiplication

5. Division method is used to convert _____ numbers into _____ numbers.
   - a. binary, decimal
   - b. binary, hexadecimal
   - c. decimal, binary

B. Fill in the blanks.

1) The base of the decimal number is _____.

2) The _____ of a number system is placed as a subscript of a number.

3) Each position in the _____ _____ system represents the power of the base.

4) _____ is the number of times a base is multiplied by itself.

5) In the _____ _____ _____ of a binary number is 1 the number odd.

6) If the last digit of a binary number is 0 the number is _____.

C. Write 'T' for True and 'F' for False.

1) The power is written to the right of the best as a superscript. _____

2) The digits used in the hexadecimal number system are from 0 to 9. _____

3) A byte consists of 16 bits. _____

4) The base of binary number system is 2. _____

5) Hexadecimal number system consists of 15 digits and symbols. _____

6) Any number raised to the power 0 is 1. _____

D. Answer the following questions.

1. Convert the following decimal numbers into their binary equivalent.
   - a. $(5452)_{10}$
   - b. $(1265)_{10}$
   - c. $(224)_{10}$

2. Convert the following binary number into their decimal equivalent.
   - a. $(1100101)_2$
   - b. $(11100)_2$
   - c. $(101000)_2$

3. Perform Binary Addition.
   - a. $(0010)_2 + (1100)_2$
   - b. $(0111)_2 + (1010)_2$

4. Perform Binary Subtraction.
   - a. $(100010110)_2 - (1111010)_2$
   - b. $(1110110)_2 - (1010111)_2$

ENJOY

SUMMER
VACATION

"Summer is messy, Summer is fun, Trips to the beach, In the hot, hot Sun, Let's give summer, A big fat cheer! Summer is the best time of the year". Happy Summer