



**SUMMER HOLIDAY
HOMEWORK
SESSION -2024-25
CLASS-VII**

***DEAR STUDENTS,
STUDY AS IF YOU KNOW NOTHING, WORK
AS IF YOU CAN SOLVE EVERYTHING.MAY
YOUR HOLIDAY HOMEWORK BE AS LIGHT
AS A FEATHER AND AS ENJOYABLE AS A
SUMMER BREEZE.....***



THEME
SCIENCE, ENVIRONMENT & SUSTAINABILITY

ARMY PUBLIC SCHOOL, MEERUT CANTT. GUIDELINES FOR THE INTERDISCIPLINARY PROJECT WORK CLASS –VII

DEAR STUDENTS,
PLEASE FOLLOW THE GUIDELINES ENLISTED BELOW FOR THE PROJECT WORK. AT THE SAME TIME USE YOUR IMAGINATION, READ, EXPLORE AND THINK 'OUT OF THE BOX' TO MAKE YOUR PROJECT UNIQUE AND MEANINGFUL.



A SYNOPSIS OF THE PROJECT NEEDS TO BE SUBMITTED BY 4TH JULY 2023 TO THE RESPECTIVE SUBJECT TEACHERS.



THE PROJECT MUST BE SPIRAL BOUND.



IT MUST HAVE A COVER PAGE. THE TITLE OF YOUR PROJECT SHOULD BE WRITTEN ON THE TOP IN LARGE FONT. WRITE "INTERDISCIPLINARY PROJECT" ABOVE THE TITLE.



YOU MAY USE SKETCHES, PHOTOGRAPHS, CARTOONS ETC. TO MAKE THE COVER PAGE ATTRACTIVE.



DO REMEMBER TO MENTION YOUR NAME, CLASS AND SECTION.



SHOW YOUR CREATIVITY IN MAKING THIS PROJECT A MARVELLOUS ONE



ENGLISH

1. Developing and nurturing the habit of reading is very important. To imbibe the same and to foster a love for reading and improve your English skills ,kindly download the CBSE reading app from Google play store. Explore new books and expand your knowledge by reading them.(<https://play.google.com/store/apps/details?id=com.cbsefreadom>)

2.As an active citizen of our country write a letter to the Ministry of Environment and Climate Change to draw attention towards the reasons in increasing number of 'Man Made Disasters ', it's effects and the need to take strict actions to make a Sustainable Environment for future generations.

3.Prepare any one topic for Speaking skill Activity:

Climate Change

Importance of Extra Curricular Activities in School

Importance of Reading

Importance of outdoor games

4. To enrich your vocabulary prepare a 'Word Web' including at least 20 words to interpret ' Sustainable Environment '.

5.Learn and revise all the work done in the class.

हिंदी

प्रश्न 1. प्रत्येक वर्ष गर्मी का मौसम आते ही देश के पहाड़ी राज्यों, विशेषकर उत्तराखंड के वनों में आग लगने का सिलसिला शुरू हो जाता है। जोकि मानव के साथ-साथ प्रत्येक जीव- जंतु को प्रभावित करता है।

(अ) वनाग्नि से संबंधित निम्नलिखित बिंदुओं पर जानकारी एकत्रित करके फाइल तैयार कीजिए।

कारण

जैव विविधता को हानि

प्रदूषण की समस्या

वैश्विक तापन में सहायक गैसों के उत्सर्जन में वृद्धि

आर्थिक क्षति

सुरक्षा के उपाय

(ब) वनाग्नि से प्रभावित राज्यों के वनों में पिछले वर्ष लगी आग का वर्णन तथा उनका चित्र लगाते हुए फाइल तैयार कीजिए ।

प्रश्न- 2. भौगोलिक विस्तार के आधार पर सर्वाधिक वन वाले राज्यों की जानकारी एकत्रित करके वर्णन करते हुए भारत के मानचित्र पर अंकित करें।

MATHEMATICS

Instructions:

Learn Multiplication tables from 2 to 20.

In Your Practice copy make a table of property of integers and Rational under four fundamental operations.

Revise all the work done in class.

Students must do the solutions of MCQs in the notebook.

Make a project File on Rainfall Analysis

***Project Title:** Rainfall Analysis: Exploring Integers, Fractions and Decimals*

***Objective:** *

The objective of this project is to analyze rainfall data using mathematical concepts such as integers, fractions, and decimals to understand patterns, averages, and variations in rainfall over a period of time.

***Materials Needed:** *

- Rainfall data (can be obtained from weather websites, government agencies, or local meteorological stations)
- Pen and paper, Color sheets, Graph paper, colors etc.

***Project Steps:** *

- 1. *Data Collection:** * Obtain rainfall data for a specific location over a period of time (e.g., monthly rainfall for a year or weekly rainfall for a season).
- 2. *Data Organization:** * Organize the data into a table format, with columns representing the time period (e.g., months or weeks) and rows representing the amount of rainfall.
- 3. *Integers:** * Calculate the total rainfall for the given period using integers. Sum up the rainfall amounts for each time period without considering fractions or decimals.
- 4. *Fractions:** * Analyze the data to determine if there are any patterns or trends in the rainfall amounts. For example, calculate the fraction of months/weeks with above-average rainfall compared to those with below-average rainfall.

5. *Decimals: * Convert the rainfall data into decimals to analyze more precise measurements. For instance, if the rainfall data is recorded in inches, convert it to decimals (e.g., 0.5 inches instead of 1/2 inch) for more accurate calculations.

6. *Average Rainfall: * Calculate the average rainfall for the entire period using both fractions and decimals. Compare the results obtained using fractions and decimals and discuss any differences.

7. *Graphical Representation: * Create a bar graph or line graph to visually represent the rainfall data. Use integers, fractions, or decimals on the axes, depending on the level of precision required.

8. *Interpretation: * Interpret the results of the analysis, discussing any seasonal variations, trends, or anomalies observed in the rainfall data. Relate the findings to real-world implications, such as agricultural practices, water resource management, or climate change.

NAME OF STATE / DISTRICT	TOTAL ANNUAL RAINFALL (IN MM)	RAINFALL AS A INTEGER	RAINFALL AS A FRACTION	RAINFALL IN DECIMALS

SCIENCE

1.Explain in details about the **sustainable development**. How can we achieve sustainable development even after doing economic activities (on A4 size paper).

2.**Create a chart/placard** with the help of diagram, give points on how we can conserve environmental resources like soil, water air e.t.c.

3.Draw diagram of **electric meter** which are attached to the wall of your house.
*Note down its readings from 1st of June to 1st of July, Also find the rate at each electricity unit consume. Find the total bill of the month.

4.What are the **different types of soil found in India**. Also write their nutrient deficiencies and types of crops grown on them (on A4 size paper)

Eco-friendly cart : make a van which can collect house hold waste products from home with the help of waste and recycled material.

SOCIAL SCIENCE

1) ART INTEGRATION: "Andaman and Nicobar Islands is famous for its absolutely stunning beaches, rich biodiversity, marine ecosystem and tropical evergreen forests teeming with wildlife. Design a beautiful and colourful poster showing flora and fauna of Andaman and Nicobar.

2) Students will identify environmental issues or challenges in their surroundings and design creative solutions to address them.

3) Collect information about Asian - countries earthquake of 2023

Students will collect information from various sources about magnitude

Focus point, Epicenter, areas of destruction. Create a Bar graph Displaying places experienced highest no. of damage to lowest.

4) Students will collect information regarding programmes

By the government to ensure the equality in India E.g Gender equality , Economic equality , Etc.

INSTRUCTIONS

1. POSTER SHOULD BE MADE ON A3 SIZE WITH PROPER BORDERS.

2. REPORT ON ENVIRONMENT WILL COVER ONLY 1 ISSUE. NOT MORE THAN 5 PAGES.

3. DETAILED INFORMATION ON EARTHQUAKE WILL BE IN NEAT HANDWRITING .

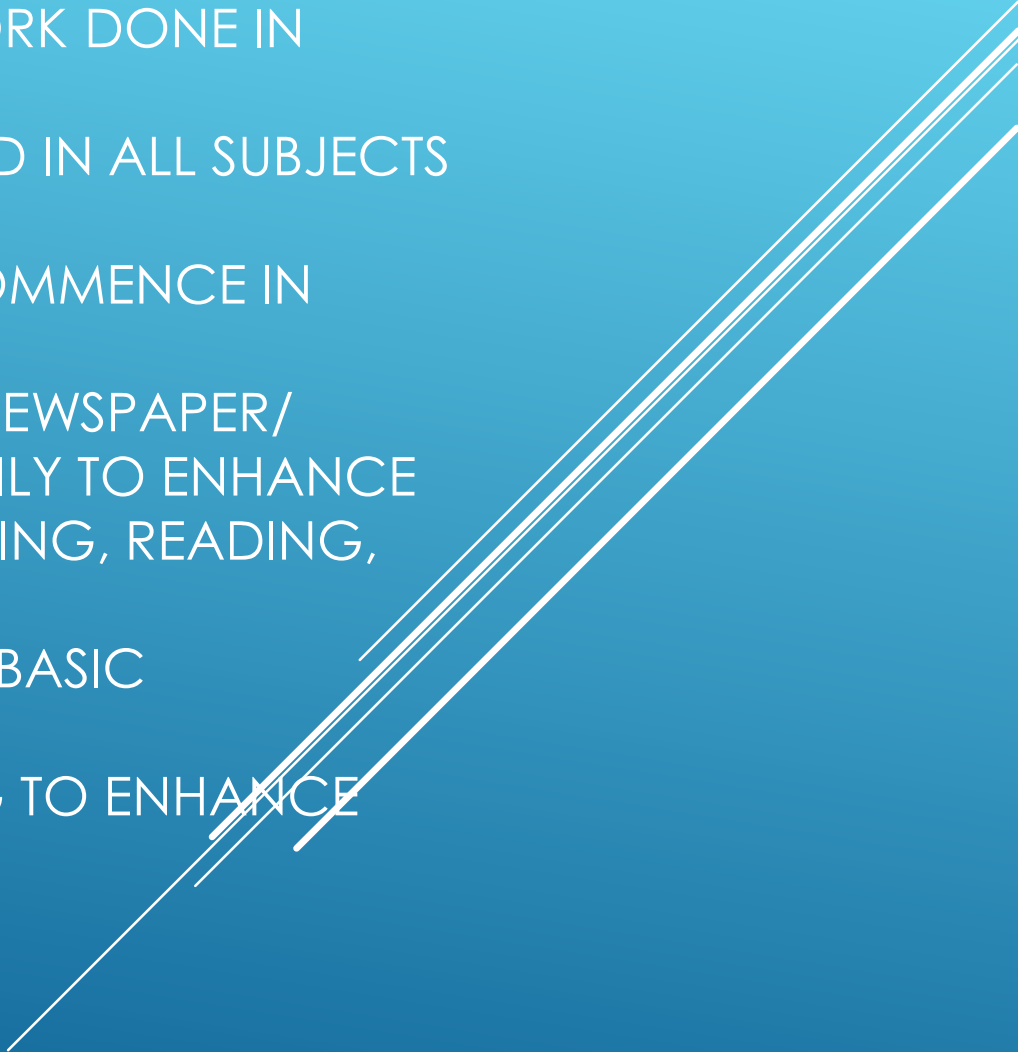
संस्कृत

- 1-“शिक्षा” से संबंधित कोई पाँच श्लोक अर्थसहित लिखो जो पाठ्यपुस्तक में न हों ।
 - 2-कोई भी एक शिक्षाप्रद कहानी पढ़ो और अपने शब्दों में हिन्दी में लिखो ।
 - 3-चर् और हस् धातु के लट लकार, लङ्ग लकार और लृट लकार के रूप लिखो ।
 - 4-अकारान्त- देव शब्द (पुल्लिंग) , आकारान्त- लता शब्द (स्त्रीलिंग) के पूरे शब्दरूप लिखो ।
 - 5-1-50 तक संस्कृत में गिनती लिखो।
 - 6-रुचिरा “अभ्यास पुस्तिका” के पाठ 1 और 2 के अभ्यासकार्य को पूरा करो ।
- नोट-सारा कार्य बहुत स्वच्छता से अपनी संस्कृत कॉपी में ही कीजिए ।

RUBRICS

Language(hindi,English and Sanskrit)	Mathematics	Science and social science
Vocabulary(3)	Application of knowledge(3)	Application of knowledge (3)
Coherence(2)	Neatness (2)	Neatness (2)
Presentation(2)	Presentation (2)	Presentation (2)
Accuracy(3)	Analysis and interpretation (3)	Observational skill (3)

IMPORTANT INSTRUCTIONS

- ❖ COMPLETE ALL WRITTEN WORK DONE IN CLASS.
 - ❖ LEARN ALL TOPICS COVERED IN ALL SUBJECTS AS YOUR 1ST TERM EXAM WILL COMMENCE IN MONTH OF JULY.
 - ❖ READ ENGLISH AND HINDI NEWSPAPER/ MAGAZINES/STORYBOOKS DAILY TO ENHANCE YOUR LSRW (LISTENING, SPEAKING, READING, WRITING) SKILLS.
 - ❖ LEARN TABLES TO IMPROVE BASIC MATHEMATICS.
 - ❖ PRACTICE CURSIVE WRITING TO ENHANCE YOUR WRITING SKILLS.
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HAPPY
Summer
HOLIDAY

