



BHAI PARMANAND VIDYA MANDIR



HOLIDAY HOMEWORK





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HOLIDAY HOMEWORK

CLASS VII

(2024-25)

THEME: Discover and Experience Diversity

GENERAL INSTRUCTIONS:

- *Holiday Homework carries marks in assessment. Hence, submission of work post vacation is compulsory for all students.*
- *Parents are requested to only guide their children while doing the assignment.*
- *Originality of the work will be appreciated.*
- *The work must be done in a very neat and presentable manner.*
- *Questions must be done in the given sequence.*
- *The child will be assessed for the handwriting, presentation, neatness, completion of all the given questions, indexing of the work.*
- *It is mandatory to do all the activities; however there may be internal choices.*
- *Do all the written work on A4 sized sheets (except where mentioned otherwise)*
- *For Submission, Keep all work subject-wise in separate clear bags or stick files.*



ENGLISH

1. TOPIC : BOOK REVIEW

DESCRIPTION: A book review is a description and a critical evaluation of a book where a book is described or analyzed based on content, style, and merit. Now it's your turn to write a book review.

Name of the novel - The Girl who Drank the Moon

TASK 1: Read the novel.

TASK 2: On the basis of your understanding of the novel, answer the following questions -

1. What according to you is the central theme of the novel?
2. If you could step into the shoes of any particular character, whom would you choose and Why? How would you then change the course of the novel?
3. If you could change any one incident in the novel, what would it be and Why? How will that affect the course of the novel?
4. Rewrite the ending/continue the story and give an alternate ending.

POINTS TO REMEMBER:.

- Design the cover page.
- Supplement the book review with some pictures.

MATERIAL REQUIRED: Use A4 size sheets (Any light color or plain)

2. TOPIC : BE AN ORATOR

DESCRIPTION: Speech is the art of conveying a message to the audience through words. The speech is considered best if it is written to engage the audience and hold their attention from the starting to the end. Now it's your time to listen to some famous speeches and make a comparative analysis.

TASK 1: Search and listen to the following speeches as per your Roll Number-

Roll No 1 to 12- "I Have a Dream" by Martin Luther King Jr. (1963)

"The Ballot or the Bullet" by Malcolm X (1964)

Roll No 13 to 24- "Gettysburg Address" by Abraham Lincoln (1863)

"Farewell Address" by George Washington (1796)

Roll No 23 to 36- "We Shall Fight on the Beaches" by Winston Churchill (1940)

"Their Finest Hour" by Winston Churchill (1940)

Roll No 37 to 48- "Ain't I a Woman?" by Sojourner Truth (1851)

"Yes We Can" by Barack Obama (2008)

TASK 2: Make a comparative analysis of the two speeches you've heard.

METHODOLOGY

1. Introduction

- Introduce the pair of speeches and their speakers.
- Provide a brief overview of the historical context and significance of each speech.
- State the purpose of the comparison.

2. Body Paragraphs

- **Themes and Messages:** Compare the central themes and messages of the speeches. How do the speakers address issues like freedom, equality, and resilience?
- **Rhetorical Techniques:** Analyze the rhetorical devices used by each speaker. How do they employ repetition, imagery, and emotional appeals?
- **Tone and Style:** Compare the tone and style of the speeches. Are they formal, informal, passionate, or solemn? How does this affect the impact of the speech?
- **Audience and Purpose:** Discuss the intended audience and purpose of each speech. How do the speakers tailor their messages to their audiences?
- **Historical Impact:** Reflect on the historical impact of each speech. How did they influence their respective movements or moments in history?

3. Conclusion

- Summarize the key similarities and differences between the speeches.
- Reflect on what makes each speech powerful and enduring.
- Conclude with a statement on the importance of studying these speeches in understanding history and rhetoric.

MATERIAL REQUIRED: Use A4 size sheets (Any light color or plain)

- 3. TOPIC- PRACTICE WORKSHEETS: Do all the worksheets on A4 sized sheets which will be uploaded on Google Classroom.**

MATHEMATICS



Do the given work on A-4 size coloured sheets.

Worksheets will be done on A-4 sized ruled sheets.

1. Choose at least three different types of cells to study (e.g., largest and smallest bacteria, largest and smallest plant cell, largest and smallest animal cell). Record the length and width (in micrometers) of each cell type. Create a table to organize your measurements. Include columns for the cell type, length, and width.
 - Find the relation between micrometer and centimeter.
 - Record measurements in a consistent format (e.g., micrometers).

- Calculate average and median cell sizes for each cell type.
 - Determine the range of cell sizes.
 - Create bar graph to visualize the comparison of cell sizes
 - Calculate the ratio of the size of the largest cell to the smallest cell on the earth.
 - Calculate the percentage difference in size between an Animal Cell and a Red Blood Cell.
 - Calculate how many E.coli bacteria can be fitted onto a pinhead whose diameter is 1.5 mm
2. Solve the given worksheets:
- [CLASS 7 CH- 1 HHWS.docx](#)
- [CLASS 7 CH-8 HHWS.docx](#)
- [CLASS 7 CH-2 HHWS.docx](#)

SOCIAL SCIENCE

Diversity refers to the presence of a wide range of distinct characteristics, backgrounds and perspectives within a group or society. It encompasses differences in race, ethnicity, gender, age, religion, abilities, experience and more.

Research based Project



THEME: Discover the Diversity of North-Eastern States of India.

The North East is a true frontier region. It has over 2000 km of border with Bhutan, China, Myanmar and Bangladesh and is connected to the rest of India by a narrow 20 km wide corridor of land. One of the most ethnically and linguistically diverse regions in Asia, each state has its distinct cultures and traditions.

Make a project on the cultural diversity of North-Eastern States. You can use following points:

- a. The linguistic diversity
- b. Food and ethnic culture of State
- c. The strategic importance of North- Eastern States as the frontier of India in South- East Asia.
- d. Physical diversity of a particular state.

Students make a project according to the slotted roll numbers.

ROLL NO	STATES
1- 6	Arunachal Pradesh
7-12	Manipur
13-18	Meghalaya
19-24	Mizoram
25-30	Nagaland
31-36	Sikkim
37-46	Tripura

KEEP CALM AND REVISE- as practise makes a man perfect

Revise the following chapters and draw the Concept maps of each chapter .

- **History-**
 - Chapter 1- The Medieval Period
 - Chapter 2- The Regional Kingdoms I
- **Geography-**
 - Chapter 1- Human Environment
 - Chapter 2- Inside Our Earth
- **Civics-**
 - Chapter 1 -Democracy



Solve the following Integrated Practice Worksheet:

[INTEGRATED WORKSHEET](#)

SPANISH

- 1) Escribe diez líneas sobre tu Escuela
- 2) Descripción de una persona de tu familia
- 3) Escribe Cincuenta nuevas palabras (A4)
- 4) Escribe sobre 2 ciudades de España y 2 Ciudades de India

SCIENCE

INSTRUCTIONS:

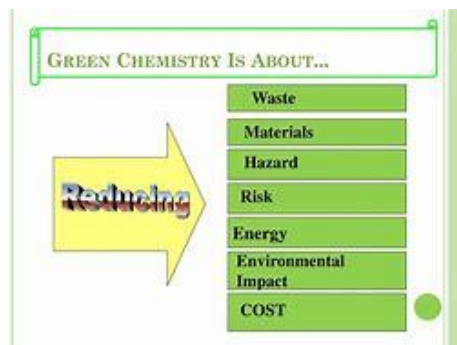
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- *It is mandatory to do all the activities as per your roll no.*

PROJECT (SUBJECT ENRICHMENT) WORK:

Topic: "Harmonizing Nature and Chemistry: Pioneering Sustainable Solutions with Green Chemistry"



Green chemistry is a field of chemistry focused on designing chemical products and processes that minimize the use and generation of hazardous substances. It aims to reduce the environmental and health impacts of chemical manufacturing while promoting sustainability. By employing principles such as waste prevention, atom economy, and the use of renewable resources, green chemistry seeks to create safer, more efficient, and more sustainable chemical processes and products



Importance of Green Chemistry

The importance of Green Chemistry lies in its potential to address pressing environmental and human health challenges associated with traditional chemical processes. By minimizing the use of hazardous materials, reducing waste generation, and promoting energy efficiency, green chemistry offers a pathway towards sustainable development. It can help mitigate pollution, conserve resources, and contribute to the development of safer and more eco-friendly products. Ultimately, Green Chemistry plays a crucial role in fostering a healthier and more sustainable future for both the planet and its inhabitants.

Task 1 (for Roll no. 1 to 5)

Green Chemistry: Investigate sustainable approaches to chemical synthesis and manufacturing that minimize environmental impact and promote resource efficiency.

Attempt both the tasks A and B

Prepare a poster/chart on the above mentioned topic keeping in mind the following pointers:(any one)

Task A Introduction to green chemistry and its importance.

- 1 Explanation of why conventional cleaning products can be harmful to the environment and human health.
- 2 Introduction to natural ingredients commonly used in green cleaning solutions (vinegar, baking soda, lemon juice, etc.).
- 3 Comparison of the effectiveness of natural cleaners vs. conventional cleaners .

Task B Demonstration of how to make different types of cleaners using these ingredients (all-purpose cleaner, glass cleaner, bathroom cleaner, etc.).Final Demonstration will be done in the class

TASK 2

Make working model related to anyone of the following topics

- Effects of electric current (**Roll no. 6 to 10**)
- Waste Water Treatment better than the present system in use. (**Roll no. 11 to 15**)
- Conservation of energy (**Roll no. 16 to 20**)
- Homemade water heater (**Roll no. 21 to 25**)
- Smart Irrigation System:(**Roll no. 26 to 30**)- Uses sensors to detect soil moisture levels and automatically waters plants, highlighting advances in agricultural technology.
- Hydraulic Arm: (**Roll no. 31 to 35**)- A robotic arm operated by a hydraulic system, demonstrating principles of fluid mechanics and robotics.
- Magnetic Levitation Train: ((**Roll no. 36 to 40**)- A maglev train model to explain the principles of magnetic levitation and its applications in modern transportation.
- Rocket Launch Demonstration: (**Roll no. 41 to 46**)- A small rocket launch model to explain the principles of aerodynamics and propulsion.

ART-INTEGRATED WORK (for all roll numbers)

Stem Activity: Students have to prepare a model on any one stem activity given below. They can use their stem books as reference.

- ***Bungee cord drop***
- ***Helping hand***

हिंदी

सामान्य निर्देश -

- मूल्यांकन हेतु ग्रीष्मकालीन गृहकार्य अनिवार्य है।
- प्रत्येक कार्य स्पष्ट व सुंदर लेख व शुद्ध वर्तनी में पूर्ण कीजिए।
- संलग्न कार्य पत्रिकाओं व गतिविधियों का मूल्यांकन किया जाएगा।

नोट- (I) ग्रीष्मावकाश कार्य A - 4 आकार के पृष्ठ पर करने के उपरांत एक फोल्डर बना लें।

(II) साहित्य में पढ़ाए गए अध्यायों का प्रत्यास्मरण करें।

(iii) व्याकरण - पुनरावृत्ति कार्य (शब्द भंडार स्मरण करें)

पर्यायवाची शब्द, श्रुतिसम भिन्नार्थक शब्द, वाक्यांश के लिए एक शब्द व अनेकार्थक शब्द

(iv) ज्ञानार्जन हेतु हिंदी का समाचार पत्र पढ़ें।

(क) विषय संवर्धन गतिविधि
THEME : विविधता की खोज और अनुभव



पूरे विश्व में सांस्कृतिक विविधता का दिवस 21 मई को मनाया जाएगा। यह दिवस पूरे विश्व में अलग-अलग देशों की सांस्कृतिक महत्ता को दर्शाने के लिए, उनकी विविधता को जानने के लिए मनाया जाता है। दुनिया के सभी देशों की अपनी अलग भाषा, अलग परिधान और अलग-अलग सांस्कृतिक विशेषताएँ हैं। हमारी भारतीय संस्कृति भी विविधता की परिचायक है। इतनी अधिक विविधताओं के बावजूद भी भारतीय संस्कृति में एकता की झलक दिखती है।

१. अनौपचारिक पत्र लेखन - संरक्षण : सांस्कृतिक विरासत का

भावी पीढ़ियों के लिए अपनी सांस्कृतिक विरासत को सुरक्षित रखने के लिए यह जरूरी है कि हम इसके संरक्षण को प्राथमिकता दें। प्रौद्योगिकी को अपनाकर समुदायों को शामिल करके, भाषा को संरक्षित करके, पारंपरिक प्रथाओं का जश्न मनाकर, संग्रहालयों को सशक्त बनाकर, अमूर्त विरासत का दस्तावेजीकरण करके, सांस्कृतिक परिदृश्यों का संरक्षण करके, पाक विरासत को पहचानकर, कानूनी ढाँचे को लागू करके, शिक्षा और जागरूकता को बढ़ावा देकर, आर्थिक पहलुओं पर विचार करके, वैश्विक सहयोग को बढ़ावा देकर और भी बहुत कुछ करके, हम यह सुनिश्चित कर सकते हैं कि हमारी सांस्कृतिक विरासत कायम रहे।

बड़ी बहन द्वारा छोटे भाई को विश्व की सांस्कृतिक विरासत का संरक्षण करने की सीख देते हुए 120-150 शब्दों में पत्र लिखिए।

- अर्थ - सांस्कृतिक विरासत
- संग्रहालयों का संरक्षण
- वेशभूषा, खानपान, रहन-सहन
- धरोहर : नैतिक मूल्य

अथवा

१. आधुनिक समाज में हिंदी की उपयोगिता (संवाद लेखन)

भारतीय भाषाओं में केवल हिंदी ही एक ऐसी भाषा है जिसे राष्ट्रभाषा के रूप में अपनाया जा सकता है क्योंकि यह अधिकांश भारतीयों द्वारा बोली जाती है; यह समस्त भारत में आर्थिक, धार्मिक और राजनीतिक संपर्क माध्यम के रूप में प्रयोग के लिए सक्षम है तथा इसे सारे देश के लिए सीखना आवश्यक है।

आधुनिक समाज में हिंदी की उपयोगिता विषय पर दो मित्रों के मध्य हुए संवाद को 150-200 शब्दों में लिखिए।

संवाद लेखन में निम्नलिखित बिंदुओं का प्रयोग अपेक्षित है।

२. ठाकुर का कुआँ (मुंशी प्रेमचंद)

क्रियाकलाप - १ दत्त सामग्री को ध्यानपूर्वक सुने व देखें।

क्रियाकलाप - २ प्रस्तुत कहानियाँ पढ़ने के उपरांत एक आवरण चित्र (मुख्य पृष्ठ) बनाएँ।

क्रियाकलाप - ३ मुंशी प्रेमचंद की कहानियाँ पढ़ने के उपरांत उनकी आलोचनात्मक समीक्षा लिखिए।

आलोचनात्मक समीक्षा निम्नलिखित बिंदुओं पर आधारित होनी चाहिए।

- * कहानी का सार
- * पात्रों का चरित्र चित्रण
- * गुण-दोषों की व्याख्या
- * मूल्यांकन

विद्यार्थी आलोचनात्मक समीक्षा लिखते समय, कहानी के बारे में बताते हुए, उसके प्रमुख पात्रों का चरित्र-चित्रण व उसके गुण-दोषों का वर्णन करेंगे व यह भी बताएँगे कि इस कहानी के बारे में आपका अपना क्या विचार है?

३. संलग्न कार्यपत्रिकाएँ

संस्कृत(ग्रीष्मावकाश गृहकार्य) १

VII

आवश्यक निर्देश-

- 1.कार्य का मूल्यांकन होगा तथा अंक दिए जाएंगे ।
2. कार्य एक अन्य अभ्यास पुस्तिका में स्पष्टता व स्वच्छता से पूर्ण करना है ।
3. शब्दरूप,धातुरूप व अव्यय शब्द याद भी करने हैं,मौखिक अभिव्यक्ति के भी अंक दिए जाएंगे ।
4. A4 शीट का कार्य A4 शीट में ही करें ।

कार्य 1-

- संस्कृत मे पाँच सूक्तियों को अपनी उत्तर पुस्तिका में लिखें एवं उन्हे याद भी करें ।

कार्य 2-

- बालक,बालिका,रमा,पत्रम्,गृहम्,कवि,मति,वारि,अस्मद्,युस्मद् के शब्द रूप अपनी उत्तर पुस्तिका में लिखें एवं उन्हें याद भी करें ।

कार्य 3-

- * A-4 शीट पर स्वर संधि उदाहरण सहित लिखें ।

कार्य 4-

- * चूर्, अस,पा,रक्ष,पत्,खेल,धाव्, धातुरूप तीनों लकारों (लट् लकार,लृट् लकार,लङ्ग लकार) में अपनी उत्तर पुस्तिका में लिखें ।
- * तीनों लिंगो के आधार पर 50 शब्दों की एक शब्दावली बनाओं।