BHAI PARMANAND VIDYA MANDIR

HOLIDAY

HOMEWORK

2024

ENGLISH

INSTRUCTIONS:

- ➔ Holidays Homework carries marks in Internal Assessment. Hence, submission of the work post vacation is compulsory for each and every student.
- ➔ Students can only seek guidance from their parents or elders. They are expected to complete all the tasks on their own.
- ➔ Creativity and originality of the work will be appreciated.
- ➔ The assigned tasks must be done in a very neat and presentable manner.
- ➔ Questions must be done in the given sequence.
- ➔ Students will be assessed for the handwriting, presentation, neatness, completion of all the given questions and indexing of the work.
- ➔ It is mandatory to do all the activities; however there may be internal choices.
- ➔ Use the material available at home.

SUBJECT ENRICHMENT ACTIVITY

THEME: Discover and Experience Diversity

DESCRIPTION: The beauty of the world lies in the diversity of its people. We often build strong walls around us and stay within. At times, just peeping out of the window can make us acquainted with a world that appears strange at the first glance but gradually with time and experience we begin appreciating its uniqueness.
We are like snowflakes, all different in our own beautiful ways.

Dear students
There are some activities based on the above theme to foster your creativity, enhance knowledge, refine your skills, enrich your learning experience and make the best use of your precious time.

METHODOLOGY: Students are required to do the following tasks:

TASK I: ***Reading is a passport to countless adventures. Reading is essential for those who aim to rise above the ordinary. If you wish to improve your vocabulary, enhance your mental well being, expand your knowledge and boost your imagination, you must read everyday.***
Do the task as assigned according to your class roll number in about 150-200 words.

The List of tasks
Pick out different literary elements used in the novel.
Write an alternate ending for the novel.
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?
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?
Identify the theme of the book and write a short story that reflects the same theme in about 150-200 words.

Refer to the attached file for the details about allocation of the book and the task.

Assigned Book

MATERIAL REQUIRED: **A4 size ruled sheets (Any light color)**

TASK II:

Write a play in about 400-500 words on the allotted topic in reference to the theme "Discover and Experience Diversity"as per your Roll Number.

Topics:

Humanity Over Religion (Roll No. 1-15)

No Men are Foreign (Roll No. 16-30)

Language is the Key to Prison (Roll No. 31 onwards)

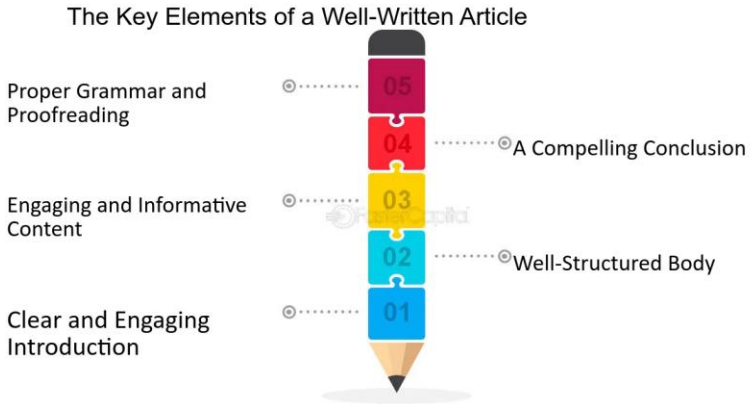
MATERIAL REQUIRED: **Use A-4 Size Ruled Sheets (Any light color)**
POINTS TO REMEMBER:

- **Develop the characters and don't take more than 5 characters.**
- **Thoughtfully craft the setting and the plot.**
- **Outline the beginning, middle, and end of the plot.**
- **Stick to the theme.**
- **Add narrator's cut wherever required.**
- **Use real-time dialogues.**

OR

Talk to the people residing in your neighborhood about the way they celebrate different festivals, varied rituals that they follow for weddings and other occasions, their pattern of worshiping and their eating habits. Try to extract the information on the diverse culture of our nation and identify the differences and similarities that you discover.

Write an article in about 250-300 words on the topic "Differences Bring People Together" using the ideas that you procured from your conversation with your neighbors.
MATERIAL REQUIRED: **Use A4 size ruled sheets (Any light color).**



SUBJECT: SCIENCE

(I) MODEL/EXPERIMENT BASED ACTIVITIES:

Roll no. 1 to 14 will make physics model
Roll no. 15 to 28 will prepare chemistry model/activity
Roll no. 28 onwards will make Biology model

Following are the Ideas for making the project

*****Apart from these suggested ideas you may also choose some other topic or idea for preparing the model or showcasing the activities.**

PHYSICS

1. Using basic concepts of physics, Making either a working or non- working model on any renewable resources of energy.
2. Working model based on hydro power plant (Hydroelectricity) /Solar / Wind / Water Energy based power plants.
3. Design working model of Electric Motor/ Electric Generator.
4. Tesla Coil: Build a small Tesla coil to demonstrate principles of electromagnetic induction, electrical resonance, and wireless energy transfer.
5. Magnetic Levitation Train: Build a small-scale magnetic levitation train using magnets and a conductive track to demonstrate principles of magnetic levitation and electromagnetic propulsion.
6. Hydraulic Lift: Build a miniature hydraulic lift using syringes and tubes to demonstrate Pascal's principle and hydraulic systems.
7. Solar power working model
8. Electromagnet: Create an electromagnet by wrapping wire around a nail or bolt and connecting it to a battery. Use the electromagnet to pick up small metal objects.
9. Simple Telescope or Microscope: Construct a basic telescope or microscope using lenses to explore optics principles and magnification.
10. Water Level Indicator project
11. Bernoulli's Principle Demonstrator: Create a simple device that demonstrates Bernoulli's principle using airflow to lift objects.
12. Newton's Cradle: Conservation of momentum and energy works by using a series of swinging spheres.

BIOLOGY

1. Aquaponics System: This model integrates aquaculture (raising aquatic animals) with hydroponics (cultivating plants in water).
2. Biofuel Production Setup: A small-scale model demonstrating the process of producing biofuels from organic matter such as algae, agricultural waste, or even kitchen scraps.
3. Microbial Fuel Cell: A model showcasing how microbial organisms can generate electricity through metabolic processes.
4. Bioluminescent Organisms Display: A model featuring bioluminescent organisms such as glowing bacteria or genetically modified plants.
5. Hydroponic Vertical Farm: A working model showcasing a vertical farming system where plants are grown in stacked layers without soil, using nutrient-rich water solutions.
6. Biomimicry Demonstrations: Models showcasing how biological principles inspire technological innovations. For example, a model demonstrating how the structure of a lotus leaf inspires water-repellent surfaces, or how the flight of birds inspires drone design.
7. Liquid Tree/Forest Model: This could involve using fluids such as water, resin, or other transparent substances to mimic the appearance of trees or a forest landscape.
8. Self-Sustainable Ecosystems

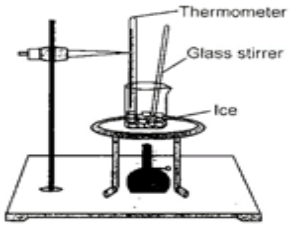
CHEMISTRY

1. Voltaic Cell: Constructing a simple battery to demonstrate the conversion of chemical energy into electrical energy.
2. Water Purification system
3. Crystal Growing Kit: Allowing students to grow crystals from various solutions, demonstrating crystal formation and structure.
4. Chemical Clock: Prepare solutions for the iodine clock reaction or the Briggs-Rauscher reaction. These reactions undergo a series of color changes over time, creating an intriguing "chemical clock" effect.
5. Invisible Ink: Prepare invisible ink using lemon juice or milk and demonstrate how it becomes visible when heated or exposed to certain chemicals (like iodine vapor).
6. Density Tower: Create a density tower by layering liquids of different densities, such as water, oil, and syrup. This demonstrates the concept of density and the principle that denser substances sink while less dense substances float.
7. Oobleck: Mix cornstarch and water to create a non-Newtonian fluid known as "oobleck." Show its unique properties, such as behaving like a solid under pressure but flowing like a liquid when released.
8. Cabbage Juice pH Indicator: Extract red cabbage juice and demonstrate how it can be used as a pH indicator. Show color changes as the pH of various substances (such as lemon juice, baking soda solution, and vinegar) is tested.

(II) Worksheets for practice :

Chemistry

1. Fill in the blanks:
   (a) Evaporation of a liquid at room temperature leads to a———effect.(b) At room temperature the forces of attraction between the particles of solid substances are——— than those which exist in the gaseous state.
   (c) The arrangement of particles is less ordered in the ——— state. However, there is no order in the ———state. (d) ——— is the change of solid state directly to vapour state without going through the ——— state. (e) The phenomenon of change of a liquid into the gaseous state at any temperature below its boiling point is called——.
2. How will you separate a mixture of Ammonium chloride and sodium chloride? Explain with a diagram.
3. Out of honey and water which one has stronger forces of attraction? Justify your answer with the help of an activity.
4. Why does ice cream appear cooler to the teeth than ice-cold water? Explain.
5. Observe the experimental set up:

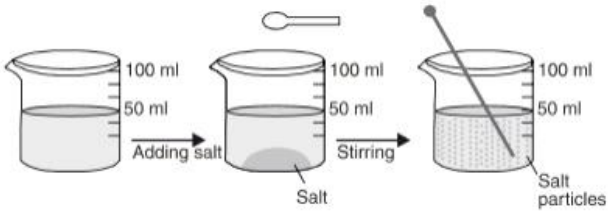


   The setup shows melting of ice. For the first time interval t1, the temperature gradually dropped. In the next time interval t2, the temperature remained constant until all the ice melted. In the next time interval t3, the temperature gradually increases.
   (i) Why did the temperature drop during t1? (ii) Why did the temperature remain constant during t2? What is this temperature known as?
6. Three students X, Y and Z, heated 100 ml water in three separate beakers simultaneously. After the water started boiling, they noted down the temperature after every 4 minutes. They submitted their observation table with the readings given below. The teacher informed that the readings of only one student are correct. Identify whether the correct observations are of X, Y or Z. Justify your answer.

Time (min.)	Temperature(in °C)		
	X	Y	Z
1	80	100	100
2	85	105	100
3	90	110	100
4	100	115	100

   If salt is added to the water, will it show any change in the boiling point of water? Give reason.
7. When a small amount of sugar is added to water in a graduated cylinder, there is no detectable change in the level of water. Give reason.

8. Observe the diagram carefully. Identify and explain the characteristics of matter that is being explained through the activity.



PHYSICS

1. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.
2. Which of the following is true for displacement? (a) It cannot be zero. (b) Its magnitude is greater than the distance traveled by the object.
3. What can you say about the motion of an object if its speed-time graph is a straight line parallel to the time axis?
4. Define uniform circular motion. Is the uniform circular motion accelerated? Give reason for your answer. An artificial satellite is moving in a circular orbit of radius 42250 km. Calculate its speed if it takes 24 hours to revolve around the earth.
5. Derive three equations of motion by graphical method.
6. Draw the speed- time graph and velocity-time graph for a body thrown vertically upwards and returns to the thrower.
7. A body travels a distance of 3 km towards East, then 4 km towards North and finally 9 km towards East.
   (i) What is the total distance traveled?
   (ii) What is the resultant displacement?
8. A body thrown vertically upwards reaches a maximum height h. it then returns to ground. Calculate the distance traveled and the displacement.
9. Draw distance- time graphs when
   a) When the body is at rest
   b) When the body is in uniform motion
   c) When the body is in non-uniform motion or accelerated motion
   d) When the body is in retarded motion
10. Draw velocity- time graphs when
    a) When body is moving with uniform velocity
    b) When the body is moving with a uniform acceleration
    c) When the Body is moving with a variable acceleration.
11. A body starts rolling over a horizontal surface with an initial velocity of $0.5 m/s^2$. Due to friction, its velocity decreases at the rate of $0.05 m/s^2$. How much time will it take for the body to stop?
12. Starting from a stationary position, Rahul paddles his bicycle to attain a velocity of 6m/s in 30 s. Then he applies brakes such that the velocity of the bicycle comes down to 4 m/s in the next 5 sec. Calculate the acceleration of the bicycle in both the cases.
13. A body starts from rest and moves with a uniform acceleration of 5m/s2 for 5s and then it moves with a constant velocity for 4s. Later it slows down and comes to rest in 5s. Draw the velocity-time graph for the motion of the body and answer the following questions:
    a) What is the maximum velocity attained by the body?

b) What is the distance traveled during this period of acceleration?
c) What is the distance traveled when the body was moving with constant velocity?
d) What is the retardation of the body while slowing down?
e) What is the distance traveled by retarding?
f) What is the total distance traveled?

BIOLOGY

1. A person takes a concentrated solution of salt, after sometime, he starts vomiting. What is the phenomenon responsible for such a situation? Explain.
2. If cells of onion peel and RBC are separately kept in a hypotonic solution, what among the following will take place? Explain the reason for your answer.
   (a) Both the cells will swell.
   (b) RBC will burst easily while cells of onion peel will resist the bursting to some extent.
   (c) a and b both are correct.
   (d) RBC and onion peel cells will behave similarly.
3. Bacteria do not have chloroplast but some bacteria are photoautotrophic in nature and perform photosynthesis. Which part of the bacterial cell performs this?
4. Name the organelles which show the analogy written as under
   (a) Transporting channels of the cell——
   (b) Powerhouse of the cell——
   (c) Packaging and dispatching unit of the cell——
   (d) Digestive bag of the cell——
   (e) Storage sacs of the cell——
   (f) Kitchen of the cell——
   (g) Control room of the cell——
5. How is a bacterial cell different from an onion peel cell? Write 4 differences between them.
6. What are the consequences of the following conditions?
   (a) A cell containing higher water concentration than the surrounding medium
   (b) A cell having lower water concentration than the surrounding medium.
   (c) A cell having equal water concentration to its surrounding medium.
7. Compare the cell division processes of mitosis and meiosis. Discuss their significance in growth, repair, and reproduction in multicellular organisms.
8. Draw a plant cell and label the parts which:
   (a) determines the function and development of the cell
   (b) packages materials coming from the endoplasmic reticulum
   (c) provides resistance to microbes to withstand hypotonic external media without bursting
   (d) is the site for many biochemical reactions necessary to sustain life.
   (e) is a fluid contained inside the nucleus

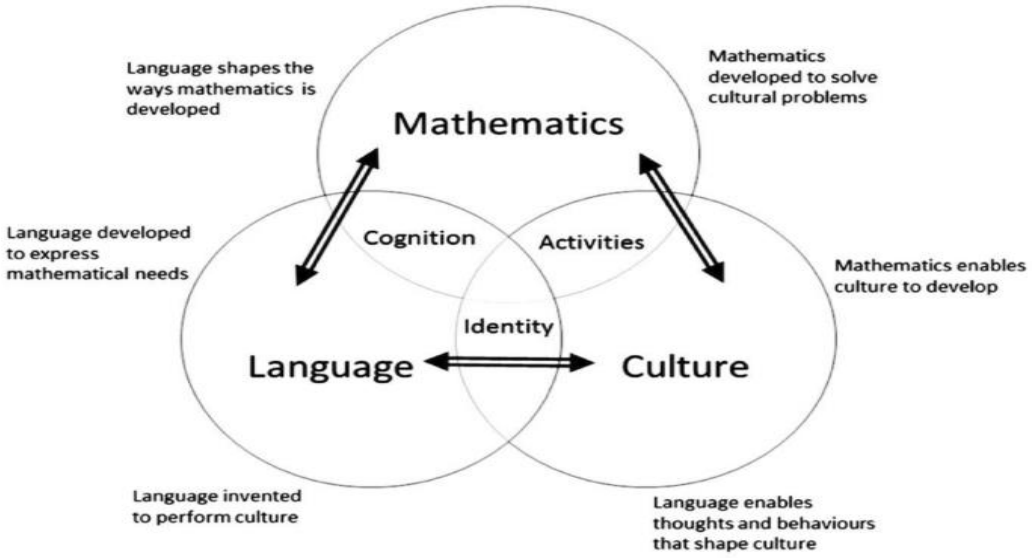
MATHEMATICS

INSTRUCTIONS:

- ➔ **Holidays 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 Holiday work must be done in a very neat and presentable manner.**
- ➔ **The child will be assessed for ORIGINALITY, NEATNESS, ACCURACY AND PRESENTATION.**
- ➔ **You can include more than one sheet for a given Task.**

THEME: DISCOVER AND EXPERIENCE DIVERSITY

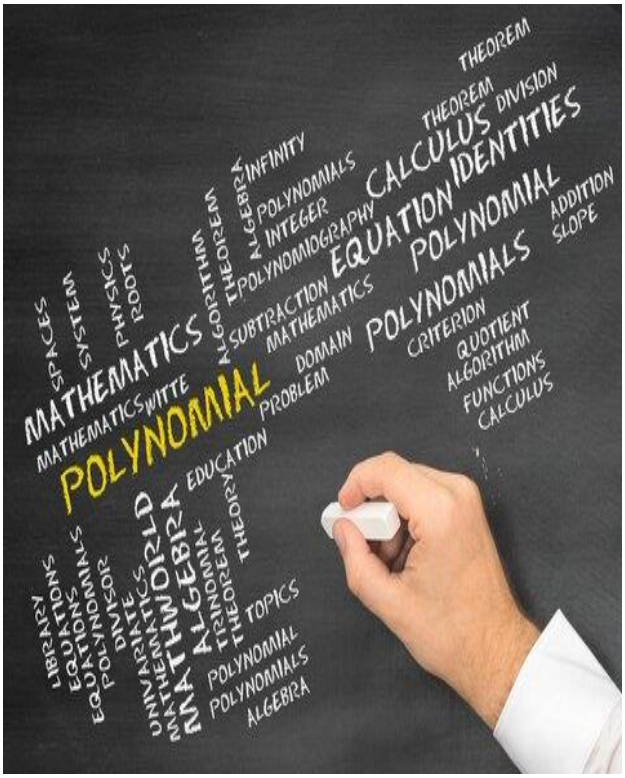
India is a land of diversity. Each state in the country is home to several communities who live in harmony with each other while preserving and upholding their own distinct culture and traditions. Indian culture is one of the most ancient cultures present in the world. The country is quite diverse and is home to several communities, each of whom has their own culture and traditions. It is this combination of various splendid cultures that make India one of a kind. The Indian cultural diversity is what makes India unique and beautiful.



METHODOLOGY: Students are required to do the following tasks:

WHERE TO DO: A4 SIZE RULED SHEET

TASK - 1



Language exploration is a captivating journey that transcends mere words. It's a gateway to understanding diverse cultures, connecting with people on a deeper level, and broadening our perspectives.

Through the lens of polynomial equations, we gain valuable insights into the complexity and diversity of human languages. The interdisciplinary approach highlights the interconnectedness of mathematics and linguistics, providing a novel perspective on the intricate tapestry of language diversity. Further research in this field can deepen our understanding of linguistic evolution, contact, and typology, paving the way for innovative approaches to language analysis and modeling.

Language History: We can use polynomials to look back in time and see how languages have changed over the years. It's like looking at old pictures to see how someone has grown up – we can see how languages have added new pieces or changed the way their puzzles are put together.

ANSWER THE FOLLOWING QUESTIONS BASED ON THE GIVEN INFORMATION.

I. Suppose t is representing the time, where p(t) is the polynomial which is representing the approximate number of languages that have disappeared.

1. If $p(t) = 15t^2 - 290t - 640$ then, what is the degree of the given polynomial?
2. After 63 years, how many languages will disappear according to the given data?
3. Factorise the given polynomial p(t).

II. If we consider the number of distinct phonemes in different languages as variables, let's say language A has x phonemes and language B has y phonemes. If the relationship between the number of phonemes in these languages can be expressed as a polynomial equation $P(x, y) = 2x^2 - 2\sqrt{2}xy + y^2$. Factorise P(x, y) using identity.

III. If the frequency of a particular linguistic feature can be modeled by the quadratic function: f(x) = $2x^2$ - 4x + 2, where 'x' represents the level of contact between two languages. Find the other factor when one of the factor is x-1.

IV. Consider a polynomial function that models the evolution of a language's vocabulary V(t) over time (t) (in years). If V(t) = t- 6t + 1. Find the vocabulary size at (t=5) years.

V. Suppose the diversity index D(x) of a language can be expressed as: D(x) = $x^4 - 2x^3 + x^2 - x + 2$. Calculate D(x) when (x = 2)

VI. Consider the polynomial P(x) = $x^3 - 7x^2 + 14x - 8$ that models a language's phonetic evolution. Determine the roots of the polynomial.

Here is link to the worksheet: HHW Class IX Worksheet
(To be done in separate Practice Notebook)

SOCIAL SCIENCE

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 can be facilitators at home but the child should do his / her holiday homework independently.***

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 the assigned task.***

➔ ***For Submission, Keep Social Science HHW in separate clear bags or spiral it(task and worksheets to be spiraled separately and then to be kept in a clear bag with your name written.)***

SUBJECT SPECIFIC INSTRUCTIONS:

➔ ***Students are required to do the task according to the Roll Numbers assigned.***

ROLL NO. 1-21 : TASK I

ROLL NO. 22 & ONWARDS: TASK II

➔ ***Material Required:*** *A4 size sheets (Colored for HHW TASK and White ruled plain for Worksheets), 2 Project file*

Discovering and experiencing diversity is like embarking on a journey of exploration and enlightenment. It's about opening oneself up to the rich

tapestry of cultures, traditions, and perspectives that make our world vibrant and dynamic. Embracing diversity isn't just about tolerance; it's about celebration, empathy, and the recognition that our differences are what make us truly remarkable. Lets explore the diversity through the following tasks given under Holiday Homework as follows:

TASK I: BIODIVERSITY HOTSPOTS: NATURE'S TREASURE

Biodiversity or Biological Diversity is immensely rich in wildlife and cultivated species, diverse in form and function but closely integrated in a system through multiple networks of interdependencies. In fact, India is one of the world's richest countries in terms of its vast array of biological diversity.

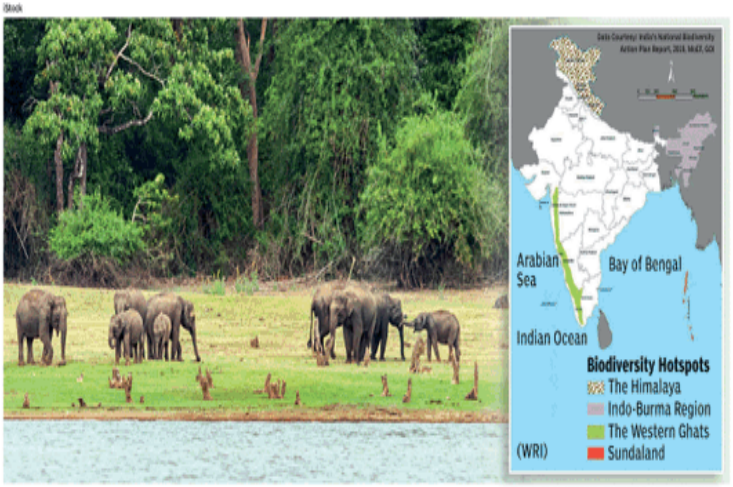
‘India has a global level of biodiversity — in our ethos, all species have a right to live sustainably’

K. Ullas Karanth *is a wildlife conservationist and ecologist. Speaking to* ***Srijana Mitra Das*** *at* ***Times Evoke****, Karanth discusses how India’s biodiversity is unique, sustainable ways to conserve this — and why he was particularly drawn to protecting the Indian tiger:*

Is India’s biodiversity distinctive?

■ The world’s fauna or the assembly of plants and animals evolved over millions of years across different continents, shaped by complex geological and climatic conditions. Scientists categorise the world into different faunal realms.

For example, the lion, the striped hyena, the leopard, bulbuls and acacias, all come from the African realm. Similarly, North America, Europe and northern Asia share species like the wolf, the red deer, the brown bear, etc. The Asian and Southeast Asian landmass have tigers, gaurs, gibbons, etc. India is unique as we have biodiversity elements of all these landmasses within our country — we occupy just two percent of Earth’s surface but we have a global level of terrestrial and marine biodiversity. This fact is very special.



SAVING THEIR FREEDOM: India has dazzling biodiversity. But it confronts complex challenges which need sustainable management

How do you address the development versus ecological conservation debate?

■ The fact is we have already lost a great deal of wild nature. Today, even reasonably intact forests in India comprise less than ten percent of our land while wildlife protected areas are just five percent. By conserving this, we won’t lose on economic progress as we still have 90%. It is essential to take the pressure off the surviving natural areas by supporting voluntary relocations, increasing efficient agriculture via biotechnology and making sustainable landscapes — here, lands are apportioned scientifically, with tracts strictly classified and maintained for nature protection, minimal impact human activities and intensive agriculture, energy production and industry. That’s a practical approach to reconcile conservation and development.

Is there a link between a growing middle class and more environmental concern?

Have a glance at the above News clipping and answer the questions given below:

1. **<u>CRITERIA TO IDENTIFY BIODIVERSITY HOTSPOT:</u>** What is a biodiversity hotspot? What is a criteria to identify biodiversity hotspots?
2. **<u>THE BIGGEST HOTSPOT IN THE WORLD:</u>** Which is the biggest biodiversity hotspot in the world? Why?
3. **<u>BIODIVERSITY HOTSPOTS:</u>** Write a description about Biodiversity Hotspots of India (all) and the World (any 10). Paste or draw pictures of the important species found there.
4. **<u>THREAT TO BIODIVERSITY:</u>** Cite reasons for the threat to biodiversity.
5. **<u>DEVELOPMENT V/S PRESERVATION</u>**: How will you address the development versus ecological conservation debate?
6. **<u>EFFORTS TO PROTECT BIODIVERSITY:</u>** Discuss the initiatives taken by India and the World to protect biodiversity.

7. **SOLVING A PARADOX:** There is a paradoxical relationship between tourism and biodiversity. Justify with suitable reasons.
8. **Map Skills:** Mark Biodiversity Hotspots on World and India's map.

TASK II:DIVERSITY IN INDIAN POLITICS

A thriving and vibrant electoral democracy has been India's distinct and durable identity, long before it asserted itself as an economic, nuclear or IT major. India is perhaps the most diverse country of the world, be it geographical – deserts, mountains, plains, forests, islands, coastal areas – or in being multi-religious, multicultural, multi-lingual, multi-ethnic. There's a need to meet the demands of this diversity. There's a responsibility on the EC to deliver free, fair, transparent and peaceful elections, ensuring inclusiveness and participation.

The longest so far was the country's first general election, which was held over a five-month period between September 1951 and February 1952.This parliamentary election 2024 — will be the second longest polling exercise in India's electoral history.

Have a glimpse on the video for reference and answer the questions that are given below:

https://youtu.be/UtpuGVX5QVA?feature=shared

1. **ELECTION :**Which body is entrusted with the task of conducting free and fair Elections in India? Who is the current Chief Election Commissioner of India?
2. **A BRIEF REPORT :** Give a brief account of the different phases of elections like the Polling date, no. of constituencies, no. of States etc
3. **VOTER'S TURNOUT**: Mention the States of each Phase that witnessed the highest number of voter's turnout in the Lok Sabha elections.
4. **POLITICAL PARTIES:** Which Political Parties are participating in Lok Sabha Elections? Draw their Political Symbols.
5. **ELECTION MANIFESTO:** Write about the manifestos of any 2 major Political Parties.
6. **COMPARATIVE ANALYSIS:** Make a comparative analysis of the outcome of Lok Sabha Elections 2024.Use Barcharts, pie charts wherever possible.
7. **ONE NATION, ONE ELECTION:** Critically analyze the proposal 'One Nation, One Election'.
8. **EQUAL REPRESENTATION IN POLITICS:** Do you really think that Indian Politics give equal representation to all communities of the country?

KEEP CALM AND REVISE - as practise makes a person perfect

Revise the following chapters and attempt the worksheets.

- **History -**
  - ➢ Chapter 1- French Revolution
    WORKSHEET I: THE FRENCH REVOLUTION

- **Geography -**
  - ➢ Chapter 1- India size and location
    WORKSHEET II: INDIA- SIZE AND LOCATION

- **Political Science -**
  - ➢ Chapter 1 - What is Democracy? Why Democracy?
    WORKSHEET III: WHAT IS DEMOCRACY? WHY DEMOCRACY?

- **Economics -**
  - ➢ Chapter 1 - The Story of Village Palampur
    WORKSHEET IV: THE STORY OF VILLAGE PALAMPUR

विषय - हिंदी

निर्देश

- मूल्यांकन हेतु ग्रीष्मकालीन गृहकार्य अनिवार्य है।
- क्रमानुसार सभी प्रश्नों के उत्तर शुद्ध वर्तनी में पूर्ण कीजिए ।
- प्रत्येक कार्य स्पष्ट व सुंदर लेख में पूर्ण कीजिए|
- मई माह तक करवाए गए सारे विषय दोहराएँ व गृहकार्य में संलग्न कार्य पत्रिकाएँ अलग अभ्यास पुस्तिका में पूर्ण कीजिए |

नोट- (I) विषय संवर्धन गतिविधि के अंतर्गत चार कार्य दिए गए हैं| निर्देशानुसार करना अनिवार्य है |

अनुक्रमांक - (1-24) : कार्य-1, 2

अनुक्रमांक - (25 से आगे तक सभी) : कार्य-3, 4

(II) कला एकीकृत गतिविधि के अंतर्गत भी दो कार्य दिए गए हैं जिनमें से किसी एक कार्य को करना अनिवार्य है |

(क) विषय संवर्धन गतिविधि

THEME: विविधता की खोज और अनुभव

विवरण-

हर साल 21 मई को "विश्व सांस्कृतिक विविधता दिवस" मनाया जाता है। इस दिन का उद्देश्य दुनिया की संस्कृतियों की समृद्धि का जश्न मनाना और शांति और सतत विकास को प्राप्त करने के लिए समावेश और सकारात्मक परिवर्तन के सहायक के रूप में इसकी विविधता के महत्व को उजागर करना है। विविधता दिवस ही "विश्व सांस्कृतिक विविधता दिवस" के रूप में जाना जाता है, जो समुदायों को सांस्कृतिक विविधता के मूल्य को समझने और सद्भाव में एक साथ रहने का तरीका सीखने में मदद करने का एक अवसर है।

कार्य-1 चित्र वर्णन

निम्नलिखित संकेत बिन्दुओं को ध्यान में रखकर दिए गए चित्र का उचित शीर्षक देते हुए 100-120 शब्दों में वर्णन कीजिए|

- अपना देश : अनोखा देश
- अनोखे प्राकृतिक दृश्य, अनोखा मौसम
- खान-पान, वेश-भूषा
- अनेक धर्म एक संस्कृति, अनोखी प्रगति
- भारत का भविष्य

कार्य-2 भारतीय संस्कृति की सुंदरता:विविधता में एकता (अनुच्छेद लेखन)

भारतीय लोग एक-दूसरे से कई मामलों में भिन्न होते हैं। वे न केवल अलग दिखते हैं, बल्कि वे अलग-अलग क्षेत्रों से भी आते हैं। उनके धर्म, रहन-सहन, खान-पान, भाषा, त्योहार आदि भी भिन्न होते हैं। ये भिन्नताएँ हमारे जीवन को कई तरह से रोचक एवं समृद्ध बनाती हैं

निम्नलिखित विषय पर १२०-१५० शब्दों में एक अनुच्छेद लिखिए-

विषय- भारतीय संस्कृति की सुंदरता:विविधता में एकता

संकेत बिंदु:

- प्रस्तावना
- विविधता में एकता का अर्थ
- भारत की एकता: विभिन्नताओं में निहित
- भारत की एकता में बाधा के कारण : आंतकवाद,सांप्रदायिकतावाद, जातिवाद
- प्रत्येक भारतवासी का कर्तव्य

कार्य-3 भारतीय सांस्कृतिक विविधता : समृद्ध विरासत व एकता का अनुभव (संवाद लेखन)

राष्ट्रपति भवन में विविधता का अमृत महोत्सव का उद्घाटन

भारत की राष्ट्रपति श्रीमती द्रौपदी मुर्मु ने 8 फरवरी, 2024 को राष्ट्रपति भवन में विविधता का अमृत महोत्सव का उद्घाटन किया। भारत की सांस्कृतिक विविधता का अमृत महोत्सव मनाने की परंपरा का शुभारंभ उत्तर पूर्व से जुड़े इस उत्सव के साथ किया | उत्तर पूर्व को प्राकृतिक सुंदरता का अनमोल वरदान प्राप्त है। वहाँ के लोगों में अद्भुत प्रतिभा है जो नृत्य, संगीत, परिधान, हस्त-कौशल तथा व्यंजनों में दिखाई देती है।

हमारी समृद्ध सांस्कृतिक विरासत और उसमें निहित एकता का अनुभव विषय को लेकर दो अध्यापकों के मध्य हुए संवाद को १००-१५० शब्दों में लिखिए-

संवाद लेखन में निम्नलिखित बिंदुओं का प्रयोग अनिवार्य है|

- विकास भी विरासत भी
- भारत द्वारा डिजिटल टेक्नोलॉजी में नए रिकॉर्ड बनाना
- भारत की सांस्कृतिक विरासत के प्रतीकात्मक भंडार : मंदिर कला, शिक्षा, आध्यात्मिकता
- धर्म-निरपेक्षता :राष्ट्रीय एकता का प्रतीक

कार्य-4 अनौपचारिक पत्र लेखन (सांस्कृतिक विरासत का सम्मान और संरक्षण)

(विश्व विरासत दिवस - 18 अप्रैल)

प्रत्येक वर्ष पूरे विश्व में 18 अप्रैल को विश्व धरोहर दिवस (World Heritage Day) के रूप में मनाया जाता है | इसका उद्देश्य सांस्कृतिक-ऐतिहासिक एवं प्राकृतिक विरासतों की विविधता का संक्षरण करना तथा स्मारकों के महत्व के बारे में जागरूकता बढ़ाना है|

विश्व धरोहर दिवस 2024 का विषय: 'विविधता की खोज और अनुभव करें'

विदेश में रहने वाले मित्र को विश्व धरोहर स्थल: भारतीय महाबलीपुरम के स्मारकों का वर्णन करते हुए १२०-१५० शब्दों में पत्र लिखिए-

पत्र लेखन में निम्नलिखित बिंदुओं का प्रयोग अनिवार्य है|

- धरोहर स्थल क्या है?
- यूनेस्को में शामिल भारत के धरोहर स्थल
- स्मारकों का महत्व और संरक्षण

(कला एकीकृत गतिविधि)

केंद्र-शासित प्रदेश- अंडमान-निकोबार द्वीपसमूह

कार्य -1 परियोजना कार्य (यात्रा विवरण)

निम्नलिखित बिन्दुओं को आधार बनाकर अंडमान-निकोबार द्वीपसमूह के लिए एक आकर्षक यात्रा विवरण तैयार कीजिए|

- **यात्रा का माध्यम(कैसे जाएँ), खर्च तथा ठहरने का स्थान**
- **यात्रा का सबसे अच्छा समय(जलवायु)**
- **पर्यटक स्थल(दर्शनीय स्थान)**
- **संस्कृति और विरासत**
- **उद्योग और व्यवसाय**
- **कृषि**
- **खान-पान और पहनावा**

निर्देश -

- **परियोजना कार्य हेतु A-4 आकार के पृष्ठ का प्रयोग कीजिए|**
- **आकर्षक कवर पेज बनाओ |**
- **पहले पृष्ठ में स्वपरिचय - आपका नाम, कक्षा , वर्ग , अनुक्रमांक लिखें |**
- **दूसरे पृष्ठ में विवरणिका (INDEX)- [क्रम संख्या | शीर्षक | पृष्ठ संख्या] तैयार करेंगे |**
- **तीसरे पृष्ठ में अभिस्वीकृति अवश्य लिखें |**
- **प्रत्येक संकेत बिन्दु का चित्र सहित वर्णन करे |**
- **दृश्य सामग्री में स्वनिर्मित शिल्प कला का प्रयोग अनिवार्य है|**
- **कार्य सुन्दर और आकर्षक होना चाहिए|**

क्रियाकलाप-2

विषय संबंधित कार्य-यात्रा वर्तांत

पाठ- एवेरेस्ट मेरी शिखर यात्रा

पाठ से संबंधित निम्नलिखित जानकारियाँ एकत्रित कीजिए-

- **यात्रा का माध्यम**
- **ठहरने का स्थान**
- **पर्वतारोहन में कठिनाइयाँ**
- **आवश्यक सामग्री**

संलग्न कार्य पत्रिकाएँ

कार्य-2 संधि

गतिविधि- वर्ग पहेली

(स्पर्श-गद्य खंड पाठ-1.दुःख का अधिकार,पाठ-2.एवेरेस्ट मेरी शिखर यात्रा ,पाठ-3.तुम कब जाओगे अतिथि तथा संचयन-पाठ-1.गिल्लू, पाठ-2.स्मृति को ध्यानपूर्वक पढ़कर वर्ग पहेली को निर्देशानुसार हल कीजिए|)

							पी					
				1.	प		ता		ही			
		10.					भ					
	3.	प्र		क्षा				7.				
4.	प्रो	त्			त			म				
			8.	2.	गो			र				
		क	स									
	9.						5.	स		नु		ति
6.	व्		व		न			न्न				
	र्थ											

कोष्ठक में दिए गए संधि विच्छेद के संधियुक्त शब्द द्वारा रिक्त स्थानों की पूर्ति कर वर्ग-पहेली हल कीजिए|

बाएँ से दाएँ तरफ

1. मैंने उसे दृढ़तापूर्वक कहा,"मैं भी औरों की तरह एक --------- हूँ|" (पर्वत +आरोही)
2. अगर तुम अपने बिस्तर को --------- रूप नहीं प्रदान करते तो हमें उपवास तक जाना होगा| (गोल+आकर)

3.शायद वह मेरी आक्रमण की --------- में था पर जिस विचार और आशा को लेकर मैंने कुएँ में घुसने की ठानी थी वह तो आकाश-कुसुम था| (प्रति+इक्षा)

4. अंगदोरजी जिन्होंने मुझे--------- किया और मुझे लक्ष्य तक पहुंँचाया। (प्र+उत्साहित)

5.मैं स्वयं चक्षु: श्रवा हो रहा था तथा अन्य इंद्रियों ने मानो --------- से अपनी शक्ति आँखों को दे दी हो। (सह+अनुभूति)

6.फुटपाथ पर उसके समीप बैठ सकने में मेरी पोशाक ही --------- बन खड़ी हो गई है| (वि+अवधान)

ऊपर से नीचे

7.बहुत ठंडे पंजों से मेरी वही उंगली पकड़ कर हाथ से चिपक गया जिससे उसने अपने बचपन की ---------स्थिति में पकड़ा था|

(मरण+आसन्न)

8.अतिथि --------- देवता नहीं होता कभी-कभी राक्षक भी होता है| (सदा+एव)

9.हिमपात में अनियमित और अनिश्चित बदलाव के कारण अभी तक के किए गए सभी कार्य--------- हो सकते हैं और हमें रास्ता खोलने का काम दोबारा करना पड़ सकता है| (वि+अर्थ))

10.शिखर पर जाने वाले --------- व्यक्ति को दक्षिणी-पूर्वी पहाड़ी पर तूफानों को झेलना पड़ता था| (प्रति+एक)

कार्य-3 अनुस्वार-अनुनासिक गतिविधि

क्रियाकलाप-1

1.साहित्य पुस्तक-गद्य-**पाठ-3 एवरेस्ट-मेरी शिखर यात्रा, पाठ-4 तुम कब जाओगे, अतिथि तथा संचयन पाठ-1. गिल्लू** में प्रयुक्त अनुस्वार-अनुनासिकयुक्त 20 शब्दों की व्याकरण पंजिका में तालिका बनाकर अनुस्वार-अनुनासिकयुक्त शब्दों को अलग-अलग करके लिखिए|

क्रियाकलाप-2

2.निम्नलिखित शब्दों में उचित स्थान पर अनुस्वार का प्रयोग करते हुए शब्दों का मानक रूप लिखिए

क्रम संख्या	शब्द	मानक रूप
१	**सतरा**	
२	**फिरगी**	
३	**प्रशसक**	
४	**मनोरजन**	

५	निरजन	
६	सदेश	
७	सतोष	
८	गगाराम	
९	बाग्ला	
१०	चदन	

क्रियाकलाप-3

3.निम्नलिखित शब्दों में उचित स्थान पर अनुनासिक का प्रयोग करते हुए शब्दों का मानक रूप लिखिए –

क्रम संख्या	शब्द	मानक रूप
१	कहूगा	
२	ढका	
३	झासी	
४	गूज	
५	सुर्खिया	
६	खाऊगा	
७	बत्तिया	
८	ताबा	
९	झाकना	
१०	धुआधार	

संस्कृत (ग्रीष्मावकाश गृहकार्य)

आवश्यक निर्देश- 1. कार्य का मूल्यांकन होगा तथा अंक दिए जाएगें |
2. कार्य-1, के वाक्य A 4 SIZE SHEETS पर स्पष्टता व स्वच्छता से लिखने हैं
3. शब्दरूप,धातुरूप व अव्यय शब्द याद भी करने हैं,मौखिक अभिव्यक्ति के भी अंक दिए जाएगें |

कार्य 1-

*** अस्मद् ,युष्मद् व तत् सर्वनाम शब्दरूप (स्त्री. व पु.) अभ्यास पुस्तिका में लिखो व हर शब्द के आधार पर संस्कृत वाक्य संरचना करो | (तीनों वचनों व सातों विभक्तियों के आधार पर) (कुल 84 वाक्य)**

कार्य 2-

*** किम् के शब्दरूपों (तीनों लिंग) के आधार पर प्रश्नवाचक वाक्य बनाओ |**

कार्य 3-

*** अव्यय शब्द अर्थ सहित कंठस्थ करो व कार्य 1 के वाक्य में उनका प्रयोग करो |**

कार्य 4-

*** जिन धातुरूपों में 'य' का प्रयोग होता हैं,ऐसे 5 धातुरूप (लट्,लंग,लृट् व लोट् लकार) अभ्यास पुस्तिका में लिखो| (भक्ष्,चिन्त्,नृत्,पाठ,त्रुट्-(भक्षयति,चिन्तयति,नृत्यति, पाठयति,त्रोटयति)**