

HOME WORK FOR SUMMER BREAK (2025-26)

ENGLISH

Prepare a video of 2 minutes on scarcity of water we are currently facing under given points.

- ## 2 Case Study

I feel I might write about Tom essay work last night of all the subjects you have set.

This seemed the most unwise yet. Describe your family. Tom wrote it so well, I just had to stop it being handed in-so did my wife. The details of our family life are not said a kind alas !

- ### 3 Write a short speech on

“What are some of benefits of digital communication in the village.”

“How might the traditional communication method of the village be affected by the digital communication ?”

- 4 You got an old lamp in your attic. You wish if genie appears and genie grants you three wishes. Which three wishes you would like to fulfill ? Illustrate.

5 Read following books and highlight the important incidence of their life.

- a) David Copperfield b) Tom Sawyer

- 6 Design a colourful poster for a rally to promote peace in our country. Paste pictures or make colourful drawings to highlight your message.

7 AIL

Collect the pictures of the traditional food and dress of Uttarakhand and Puducherry and paste them in scrapbook . Then write a short note to describe the two different cuisine.

- 8 Write a short paragraph on IPL 2025.

MATHEMATICS

- 1 Rohan owns a small grocery store. He sells different items like oranges, apples, soap and cake etc. He needs to calculate his total income from selling these items. He also wants to know profit he makes from sale. 2 kg oranges at the rate of 100 per kg, 3 kg apples at rate of Rs 200 per kg, 5 cake for Rs 30 and 5 soap for Rs 250. He reaps 10% profit overall.

- Calculate price of all groceries he sells.
- How much amount does he get from profit part ?

- 2 Vidhya opens her book in three stages

- i) 25% ii) 50% iii) 75%

Find out what degree angle she will obtain from each stage.

- 3 Draw a wall clocks showing time that forms angle 30° , 45° and 90° .

Activity

- 4 Make a geometry box using card board and paper with set square, compass, protactor, scale, pencil, sharpner.

- 5 Akshi wants to put lace around the table clothes measuring $3\text{ m} \times 2\text{ m}$. Find the length of the lace required.

- 6 a) Find LCM of i) 36, 48, 72 ii) 112, 144, 288

- b) Find HCF of i) 7 m, 3 m 75 cm ii) 12 m 95 cm

- c) Find the numbers if the HCF of two numbers is 29 and their sum is 174.

- 7 Title -- Sieve of Eratosthenes

Material needed -- crayons and a 10×10 grid.

Find out all the prime and composite numbers from 1 to 100 on a 10×10 matrix.

Steps-

- i) Take a ten by ten matrix, list all the numbers from 1 to 100 on it horizontally.
- ii) Cross out one because we know it is not a prime number
- iii) Encircle two and cross all the multiples of two.
- iv) The next uncrossed number is three, so encircle three and cross out all multiples of three.
- v) The next uncrossed number is five so encircle 5 and cross out all the multiples of five.
- vi) Continue this process until all the numbers in the list are either encircled or crossed out.

Conclusion –

- i) All the encircled numbers are prime numbers.
- ii) All the crossed out numbers other than one are composite numbers.

8 Case Study

Munsi Prem Chand bought an ox Moti for Rs 1,000. He loved him as much as he loved his son. One day Moti was caught in a field grazing crop of a farmer. The farmer put him in cattle cage. From there he had to release him for Rs 50. To pay Rs 50 a penalty for smashing crop he lent money from money lender at the rate of 75% interest per annum, even after death of ox he had to pay interests.

- i) Calculate the amount Munsi Prem Chand had to pay to landlord after 2 yrs and 5 yrs.
- ii) What trait of his character is revealed here ?

SCIENCE

- 1 Describe a daily life situation where you think some one is following a scientific method like electrician tries to find out why fan is not working.

Activity 1

Go for a morning walk. Observe different plants, insects, birds and note the weather conditions. Collect different types fallen leaves or flowers and create scrapbook.

Activity 2

Observe following plants and insert correct information in the column given.

Lily, sunflower, oak, apple tree, lotus, grape vine, tulip

S R	Local name of plants	Stem	Leaves (Shapes arrangement)	Flower	Remark
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- 2 Define the following terms-

- a) Reticulate venation b) Parallel venation c) Shrubs d) Herbs
- e) Climbers f) Creepers

- 3 Differentiate-

- a) Taproot and fibrous root b) Dicot and Monocot

- 4 Study about a Scientist who preserve bird species in India and write a note on his/her achievements.

- 5 Find the list of animals. Write the name of aquatic animals in column A Terrestrial in column B and who live in both habitats C.

Frog, lion, snake, duck, fish, crocodile, sea horse, rabbit, wolf, monkeys, ape, bear, jellyfish.

Habitat A	Habitat B	Habitat C
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- 6 Assertion and Reasoning-

The questions below consist of an assertion and the reason. Use the following key to choose the appropriate answer.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true and R is not the correct explanation of A.
- c) A is true and R is false.
- d) A is false and R is true.
- i) Assertion (A) : Insufficient exposure to sunlight is causing vitamin D deficiency in many people.
Reason (R) : Our body also prepares vitamin D in the presence of sunlight.
- ii) Assertion (A) : Evaporation is the process in which a liquid gets converted into its vapour.
Reason (R) : Evaporation can be used to separate a solid dissolved in a gas.

SOCIAL SCIENCE

- 1 Make a project in about 4 pages on

- i) Changing trend of climate
- ii) Climate change
- iii) Impact of climate change
- iv) Human activities responsible for climate change
- v) Measures to prevent climate change

- 2 The sun emits ultra violet rays which are harmful for us. A protective layer in the atmosphere prevents these ultra violet rays from entering the earth. This protective layer is depleting slowly due to human activities. Which layer is this and how can we prevent its depletion ? Illustrate with the use of some waste material make a model of earth explaining/representing longitude and latitude on globe.

- 3 Pranab visited an archaeological site. He found people throwing waste around. He also found structure that were damaged.

- a) What do you think should be done to stop these types of human activities ?
- b) How do you think these sites can be protected ?

- 4 Define following

- a) Tapestry b) Artifacts c) Pre history d) Island d) Latitudes

- 5 Case Study

Literary sources are information found in written forms. Before introduction of paper, writing was done on palm leaves and bark of trees (Bhojpatra). These documents were called Manuscript because they were written by hands.

- i) How did people preserve information before introduction of paper ?
- ii) Why did they feel to preserve them (information) ?
- iii) What is Manuscript ?
- 6 **Make a project on-** During an excavation, you found variety of artifacts.
 - i) Excavation was done in the hills of Arravali.
 - ii) Found tools, toys, statues, pots.
 - iii) Name the tools and toys you found.
 - iv) Where will you keep them ?
 - v) How did these artifacts help you to know about past ?
- 7 **Differentiate between-** i) Local time and Standard time ii) Torrid Zone and Frigid Zone
- 8 **Assertion and Reasoning**
 In the following questions, there are two statements marked as Assertion (A) and Reason (R). Read them and choose the appropriate option for each part.
 - a) Both A and R are true, and R is the correct explanation of A.
 - b) Both A and R are true, but R is not the correct explanation of A.
 - c) A is true but R is false.
 - d) A is false but R is true.
- i) **Assertion (A) :** The Earth is called the 'blue planet.'
Reason (R) : The presence of water bodies on its surface makes it look blue from space.
- ii) **Assertion (A) :** Asteroids are the small pieces of rocks moving around the Sun.
Reason (R) : Most of them lie between Mars and Jupiter.
- 9 **Prepare a chart on the following topics and display in your class.**
 - a) Festivals of India
 - b) Food habits of people
 - c) Clothing styles of people
- 10 Explain the term '**Environment Pollution**' paste the pictures related to the topic and collect wrappers of food items (biscuit, chips, juice, Maggi etc.) and paste them.

HINDI

- 1 लगभग दो सौ वर्षों की गुलामी ने भारत के राष्ट्रीय स्वाभिमान को पैरों से रौंद डाला। हमारी संस्कृति को समाप्त कर दिया, हमारे विश्वासों को हिला दिया और हमारे आत्मविश्वास को चकनाचूर कर दिया। किन्तु अपने इस बूढ़े देश से प्यार करने वाले, इसके एक सामान्य संकेत पर प्राण न्योछावर करने वाले दिवानों का अभाव न था।
 - क) गुलामी ने भारत को कैसे नुकसान पहुँचाया ?
 - ख) इस देश में किसका अभाव नहीं था ?
 - ग) गुलामी स्वाभिमान को पैरो तले क्यों रौंद डालती है ?
- व्यंजन के भेद बताइए।
- उत्पत्ति के आधार पर शब्द कितने प्रकार के होते हैं ?
- निम्न शब्दों का अर्थ उदाहरण सहित समझाइए।**
 अनुस्वार, अनुनासिक, अयोगवाह
- निम्नलिखित किताबों का अध्ययन करें, और उनके पात्रों का चरित्र वर्णन करें।**
 - क) सिंद्धेला ख) स्त्रीपिंग ब्यूटी ग) स्नो व्हाइट घ) सात बौने
- आप कक्षा छह के विद्यार्थी हैं। आप हल्द्वानी शहर में रहते हैं। जहाँ पर प्रदूषण की बहुत बड़ी समस्या है। जिस कारण लोगों को अनेक प्रकार की बीमारियों का सामना करना पड़ रहा है। ऐसे कौन-से पाँच उपाय हैं जिससे आप अपने शहर को प्रदूषण मुक्त रख सकते हैं। लिखिए ?
- आप जी टीवी के लिए न्यूज रिपोर्टिंग करते हैं। आपने देखा कुछ लोग अपने घरों को कूड़ा सड़क पर फेंक रहे हैं। आप इस घटना की रिपोर्टिंग कैसे करेंगे। लोगों को बताए कि इस तरह की गतिविधि पर्यावरण को दूषित करती है ?
- सम्मानित जो सकल विश्व में, महिमा जिनकी बहुत रही है,
 अमर ग्रंथ वे सभी हमारे, उपनिषदों का देश यही है,
 गाएँगे यश हम सब इसका, यह है स्वर्णिम देश हमारा,
 आगे कौन जगत में हमसे, यह है भारत देश हमारा।
 - क) संपूर्ण विश्व में किन्होंने सम्मान प्राप्त किया है ?
 - 1 हमारे अमर ग्रंथों ने 2 हमारी कहानियों ने 3 हमारे संस्कारों ने
 - ख) कवि किसका यश गाना चाहता है ?
 - 1 महान ग्रंथों का 2 ऋषि-मुनियों का 3 भारत का
- 'आगे कौन जगत में हमसे' पंक्ति का भाव स्पष्ट कीजिए।

COMPUTER

- 1 **Write short note on computer languages.**
 - Introduction of computer languages.
 - Types of computer languages.
 - Make a table of features of computer languages.
- 2 Prepare a chart on the topic "classification of computer", by collecting the pictures from newspaper or internet.
- 3 **Define-**
 - a) Program b) Folder c) Handheld computer

4 Write some lines about the uses of Internet.

5 **Case study-**

With the evolution of computer and technology, computer languages have also been evolved. It started with the machine language, then the assembly language followed by the high level language. The computer languages are also classified into different generations viz. 1GL to 5GL.

Based on the above case, answer the following questions-

i) In which generation of languages, assembly language was used ?

ii) Which generation is based on artificial intelligence ?

iii) Which language is closer to human language ?

6 Differentiate between copying a file and moving a file.

7 What is the use of Wild card characters ?

FRENCH

1 Présentez-vous en français.

2 Écrivez un petit dialogue entre vous et le nouvel étudiant de la classe. (50 mots)