



**ARWACHIN BHARTI BHAWAN
SR. SEC. SCHOOL**

VIVEK VIHAR , DELHI - 95

HOLIDAY HOMEWORK

CLASS : X

SESSION 2026-27

ENGLISH

1. Write an article on “India Through My Eyes” And also make a poster of the same.

(Paste pictures or draw:

monuments

soldiers

farmers

scientists

students

to show different forms of patriotism)

- Decoration Tips Use saffron-green headings Black gel pen for body text Add miniature flags/stickers Keep pages neat with borders

2. Make a slogan on any one of the following-

“Unity in Diversity”

“Freedom Demands Responsibility”

“Be the Change India Needs”

3. Creative Writing Section

Write:

Diary Entry on being a part of “Chandrayaan Mission”

Article on Global warming and students efforts

2 formal letters

2 analytical paragraphs

1 story with moral

1 diary entry.

4. Grammar Practice-

Prepare 20 examples each of:

Tenses

Modals

Reported Speech

Determiners

Subject-Verb Agreement

All writing work to be done on A-4 size sheets and to be attached in portfolio.

Poster, slogan on A-3 sheet

हिंदी

1. दैनिक जीवन अनुभव लेखन – “मेरी एक नई सीख”

गर्मी की छुट्टियों में ऐसा कोई अनुभव चुनिए जिससे आपको नई सीख मिली हो।

उदाहरण:

1. किसी जरूरतमंद की सहायता करना
2. समय का सही उपयोग
3. किसी कठिन परिस्थिति का सामना करना

कार्य:

250–300 शब्दों में अनुभव लिखिए।

अंत में यह बताइए कि उस घटना ने आपके विचारों में क्या बदलाव लाया।

2. पर्यावरण संरक्षण अभियान

अपने आसपास के क्षेत्र में पर्यावरण से जुड़ी किसी समस्या का निरीक्षण कीजिए।

कार्य:

1. समस्या का विवरण लिखिए।
2. उसके कारण और प्रभाव बताइए।
3. समाधान हेतु 5 व्यावहारिक सुझाव लिखिए।
4. “पर्यावरण बचाओ” विषय पर एक पोस्टर

3. आत्मनिर्भरता गतिविधि – “एक सप्ताह, एक जिम्मेदारी”

घर या समाज से जुड़ी किसी एक जिम्मेदारी को 7 दिनों तक निभाइए।

उदाहरण:

- 1.पुस्तकालय व्यवस्थित करना
- 2.पानी बचाने का प्रयास
- 3.छोटे बच्चों को पढ़ाना
- 4.घर के काम में सहयोग

कार्य: प्रतिदिन 40-50 शब्दों में अनुभव लिखिए।

4. प्रेरणादायक व्यक्तित्व अध्ययन

किसी एक प्रेरणादायक भारतीय व्यक्तित्व के बारे में जानकारी एकत्र कीजिए।

उदाहरण:

- 1.वैज्ञानिक
- 2.शिक्षक
- 3.खिलाड़ी
- 4.समाजसेवी

कार्य:

-: उनके जीवन परिचय को 300 शब्दों में लिखिए।

-: उनके संघर्ष और सफलता से मिली प्रेरणा को लिखिए।

5. रचनात्मक लेखन – “यदि मैं समाज सुधारक होता/होती”

लगभग 350 शब्दों में निबंध लिखिए।

संकेत:

- 1.आप समाज की किस समस्या को दूर करना चाहेंगे?
- 2.उसके लिए क्या कदम उठाएँगे?
- 3.युवाओं की भूमिका क्या होगी?

विशेष:----

*प्रस्तुति संबंधी निर्देश

सभी कार्य साफ-सुथरी लिखावट में हिंदी A4 शीट पर करें तथा उसे पोर्टफोलियो में लगाए।

*चित्र एवं पोस्टर रंगीन और आकर्षक हों।

*कार्य मौलिक एवं स्वयं द्वारा तैयार किया गया होना चाहिए।

*प्रत्येक कार्य के साथ शीर्षक अवश्य लिखें।

MATHS

- 1) Prepare Maths formula Scrapbook including important formulas , tricks , diagrams chapter wise.
- 2) Complete the activities discussed in the class in your activity files.
- 3) Plan a fictional family trip with a budget of Rs 50,000/- including the points
 - Travel expenses
 - Hotel charges
 - Food budget
 - Shopping budget

Using concepts , percentages and graphs.

4) Do practice the following questions from topics

- Number system
- Polynomials
- Linear equations in two variables
- Introduction to Trigonometry
- Triangles

a) 10 MCQ from each topic

b) 5 Assertion and reasoning from each topic

c) 2 case study from each topic.

5) Create a "Millet Menu Card" - Real Numbers & Financial Maths*

Design a café menu card selling millet-based dishes.

- Use Real Numbers: Price each item with rational/irrational numbers.

SCIENCE

Task - 1

Topic - Comparative study of the "Agricultural Practices" in Andaman and Nicobar Islands and Delhi .

Description of the Project

- Difference in agricultural practices in the two states
- Difference in the major crops grown
- Difference in the type of soil
- Difference in environment, temp,water etc.
- Type of farming practices used

Guidelines :

- * Project should be done collectively by all group members
- * It should have atleast 10 to 15 sheets (to be printed or written by hand)
- * First sheet should have the Name of school/ Subject / Topic of project / names of team members
- * Second sheet should have an INDEX

Task - 2 : Prepare any innovative model individually or in groups

Theme: integrated approach in Science and technology for sustainable future

Sub themes :

- Agriculture and food security
- Energy resources
- Health
- Environment
- Waste Management
- Disaster Management

Task - 3 : COMMUNITY SERVICE TO BE DONE BY STUDENTS :

Do any one of the following and take pics &write a brief report of the community service done by you

***Tech Teaching - Head to a local retirement community or senior center and help the residents learn to use the latest technology.**

*** Donate books , stationary items, old clothes**

* Donate plants or plant saplings in your community

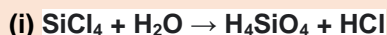
* What changes can you make in your habits to make your surroundings more eco friendly ? Task 4: Revision Worksheet 1 Do this in portfolio or assignment register.

Chemical Reactions and Equations

Q1. Why should a magnesium ribbon be cleaned before burning?

Q2. What happens when calcium oxide in small amount is mixed with water? Write the balanced chemical equation.

Q3. Identify the substance reduced, substance oxidized, reducing and oxidizing agents from the following equation



Q4. A reddish brown metal used in wires when powdered and heated strongly, turns black. When hydrogen gas is passed over this black substance, it regains its original colour. Based on this information answer the following:

(i) Name the metal and the black substance formed.

(ii) Write the equations involved.

Q5. A substance X is used as building material and is insoluble in water. When it reacts with dil. HCl it produces a gas which turns lime water milky.

(i) Write the chemical name and formula of X

(ii) Write the chemical equations of the process involved

Q6. A metal M on reacting with dilute acid liberates a gas G. The same metal also liberates gas G when reacts with a base.

(i) Write the name of gas G

(ii) How is the presence of this gas tested?

(iii) Write the chemical equations of metal M with

(a) an acid (b) a base

Q7. Ramesh took 2mg of Lead Nitrate in a boiling tube and heated it over a flame. What would he observe?

Q8. In the following reaction what are the values of x and y



Q9. A student saw cloud of black smoke belched out from the exhaust stack of moving truck on the road. The reason for the smoke is

a) Limited supply of air leads to incomplete combustion of fuel

- b) Rich supply of air leads to complete combustion of fuel
- c) Rich supply of air leads to combination reaction
- d) Limited supply of air leads to complete combustion of fuel

Q10. What happens when potassium iodide is added to lead(II) nitrate? Give any two observations. Also list two type of reactions in which this reactions can be put.

SOCIAL SCIENCE

1. COMMUNITY SERVICE:

Plant at least two indigenous plants at your nearby park. (Neem, Gulmohar, Jamun, etc) Take a picture of the same and attach it in the portfolio.

2. MAKE PROJECTS ON THE GIVEN TOPICS:

I. Consumer Awareness (Roll no 1-16)

II. Social Issues (Roll no 17-32)

III. Water Resources (Roll no 33-last)

Instructions for the above Project

- Must be handwritten and well decorated
- Must be presented through accurate data and authentic content

The distribution of marks over different aspects relating to the project are as follows:

- Content accuracy, originality, and analysis = 2 marks
- Presentation and creativity = 2 marks
- Viva voce = 1 mark

Submission details

- Beautifully decorated cover page - Index
- Acknowledgement
- Preface
- Topic - Content Explanation
- Bibliography
- Student's evaluation record

3. Read newspaper daily to update your knowledge everyday and write down main headlines in your notebook date wise.

4. Do a case study on political system or federal system of any one country in portfolio.

5. Roll no. 1 to 10:- Prepare a scrapbook/project on the culture, traditions, food, dresses, and festivals of any one Indian state.

Roll no. 11 to 20:- Prepare a project/report (any 1)

Global Warming, Air Pollution, Water Conservation, Renewable Energy Resources.

Roll no. 21 to 30 Prepare a presentation/chart/model on (any 1)

Democracy, Elections in India, Youth Parliament, Vidhan Sabha & Parliament

Roll no 31 to 45 Prepare slogans/posters on (any 1)

War & Peace, Fundamental Rights & Duties, Awareness against corruption

6. Revise and learn the syllabus done so far.

संस्कृत

संस्कृत पोर्टफोलियो हेतु एक सुंदर फोल्डर तैयार करें।

चारों वेदों का संक्षिप्त प्रारूप चित्र सहित तैयार करें।

संस्कृत घटिका (Clock) का निर्माण करें।

अपने प्रिय खेल, खिलाड़ी अथवा महान व्यक्ति के विषय में संस्कृत भाषा में पोस्टर बनाएं।

संस्कृत भाषा में कोई गीत याद करे। निम्नविषयेषु कस्यचित् एकस्य विषये संस्कृतेन लघुलेखं, कविता, संवादं, पोस्टरं वा निर्मातु—

चन्द्रयानम्

युद्धं तथा शान्तिः

वैश्विकतापनम्((

वायुप्रदूषणम्

डेंगू-मलेरिया-जागरूकता

श्रीधान्यानि (Millets)

संस्कृतिः संस्काराश्च

FRENCH

Objective: Presentation + argumentation + connection to science/society

Submission: First class after vacation | Format: A4 file + 1 oral presentation of 1 min

*1. Expo Project "Chandrayaan / War & Peace / Global Warming" - *

Choose 1 theme from the 3. Complete any 1 of the 3:

- scrapbook presentation - slides: History + importance + awareness message.

Requirements: 10 sentences in futur simple, 5 relative pronouns qui, que, dont, où, 3 sentences in conditionnel.

Ex: If we do not reduce pollution, the Earth will become uninhabitable.

- Newspaper article of 150 words: Title in futur simple. Talk about causes and solutions for the chosen theme.

- Debate dialogue of 12 lines: 2 characters discuss War and Peace or Global Warming.

***2. "Dengue & Malaria Awareness" - Health Campaign ***

Create a campaign in French for your school:

- 1 poster with 5 prevention tips using the imperative mood: Cover water tanks!

***3. Culture and Sanskar - Oral Presentation - ***

Prepare a 1-minute oral presentation: An Indian festival I like and its "sanskar" value.

present it in class. Use: pendant que, lorsque, si + imparfait → conditionnel.

ARTIFICIAL INTELLIGENCE

Instruction - All Poster done on A-4 size sheets and to be attached in portfolio.

- Ravi could not understand his teacher because students were making noise in the classroom. Identify the communication barrier.
- Prepare a slogan on effective communication.
- Riya collects attendance records of students to build an AI system. Identify the stage of the AI Project Cycle.
- Write one real-life problem that can be solved using AI and make a poster
- Activity To understand air pollution and learn how Artificial Intelligence (AI) helps in reducing it.

INFORMATION TECHNOLOGY (IT)

Instruction - All Poster done on A-4 size sheets and to be attached in portfolio.

- Prepare a poster on avoiding barriers to communication.
- Create a poster to encourage confidence in public speaking.
- Prepare a notice for a school cleanliness drive using a digital document.
- write 100 Shortcut Keys Used in Digital Documentation
- **Activity** To understand air pollution and learn how Artificial Intelligence (AI) helps in reducing it.

ARTS

1. Make a beautiful Madhubani Art on Canvas or MDF Board, Examples videos given below.

- Takealook! <https://pin.it/5e7uKjclc>
- Takealook! <https://pin.it/5ypm8r4rH>

2. Make a A3 size poster on culture diversity of Sikkim (AnyColor Medium, Slogan must).

3. Make Beautiful Bag or Mat with the help of waste clothes material like jeans, jute and button etc.