

## DAV PUBLIC SCHOOL, KAILASH HILLS

### • HOLIDAYS HOMEWORK-XI B & C -2025-26

**“With the sun shining brighter and days growing longer, the holidays bring a chance not just to unwind, but to discover, imagine, and learn in new and exciting ways-let this homework be your companion on that journey!”**

### **ENGLISH**

#### **LITERATURE**

**Practice assertion based questions. Do the case based and competency based questions given in the question bank in your English notebook for the following chapters.**

**The Portrait of a Lady**

**A Photograph**

**We’re not afraid to die....if We ‘re together**

**The Voice of the Rain**

#### **WRITING SKILLS**

**Practice questions given in the question bank for the following topics :**

**Poster**

**Speech**

### **BUSINESS STUDIES**

**1.Complete the assignment of the following chapters from the Question Bank provided to you:**

**Evolution and Fundamentals of Business**

**Forms of Business Organizations**

**Public, Private and Global Enterprises.**

**2.Prepare the project as per the requirements of final examination for**

**20 marks.**

**The project should be handwritten keeping in mind the guidelines and topics discussed already & given in class.**

**3. Make a note of key words given to remember the definitions in each chapter. Revise with the help of mind maps drawn for all chapters completed. This will help you to be confident that the entire chapter is covered.**

## **ACCOUNTANCY**

**1. Complete the assignment of the following chapters from the Question Bank provided to you:**

**Introduction To Accounting**

**Basic Accounting Terms**

**Principles and Conventions**

**Bases of Accounting**

**Accounting equations**

## **2. PROJECT TITLE- LEARNING SOME BASIC ACCOUNTING TERMS & UNDERSTANDING NEED FOR ACCOUNTING**

**1. Each student will make at least one product (it may be best out of waste/any art piece/decoration piece/ Greetings card /Paper Bag/Cloth bag/innovative product/anything useful)**

**2. Design a colorful advertisement to sell that product on colourful loose papers.**

**3. Carefully calculate the cost of making that product, analyse and make a list of wastage of resources, if any, in the process of making that product and steps to minimize wastage.**

**4. Students will organize an exhibition in school (when the school returns to normalcy) to sell these products to calculate the profit earned by them.**

## **INSTRUCTIONS:**

- 1. Use A4 size colourful loose sheets for writing part of the project.**
- 2. Explain basic accounting terms you found while doing this project-e.g. - Transactions, Purchases, sales, profit, cost, expenses etc.**
- 3. Explain the Need/Role of Accounting you observed.**
- 4. Compile all the handwritten sheets in a hard bound file and design attractive labelled cover for your file.**
- 5. Attach the advertisement designed by you in the project file.**
- 6. The written part should be neatly presented in your own handwriting.**
- 7. KEEP THE PRODUCT MADE BY YOU SAFELY.**
- 8. Students will submit their project immediately After holidays (soft copy and hard copy)**
- 9. Project will be evaluated and viva voce will be conducted for 20 marks as a part of first term examination.**

## **ECONOMICS**

Students are supposed to work on the project which is of 20 marks as a part of their final examination. The purpose of the project is to enable the student to understand the scope and repercussions of various economic events and happenings taking place around the country and the world. It also provide an opportunity to the learner to develop economic reason, Pros and cons of economic eventning and acquire analytical skills to observe and understand the economic events.

You can work upon the following lines:

1. Introduction
2. Details of the topic
3. Major criticism related to the topic
4. Students' own perception

Students may pick the topic of their own choice, but it should have an economic perspective. You should be capable to understand abstract ideas, exercise the power of thinking and to develop their own perception.

The project should be minimum of 35 pages and it should be handwritten.

Students can make out a project on any of the current topic based on any of the economic issues i.e.

1. Effect of COVID-19 on Indian economic development

2. Foreign investment

3. Impact of GST

4. You can make out the project on any of the topic based on your topics in class XI

**FORMAT THAT CAN BE USED WHILE MAKING OUT THE PROJECT**

1. Collection of Data

2. Organisation of Data by grouping and sub grouping of data

3. Presentation of Data using tables, graphs and diagrams

4. Analysis of Data by taking positives and negatives

Class XI	
<ul style="list-style-type: none"><li>• Effect on PPC due to various government policies</li></ul>	<ul style="list-style-type: none"><li>• Invisible Hand (Adam Smith)</li></ul>
<ul style="list-style-type: none"><li>• Opportunity Cost as an Economic Tool (taking real life situations)</li></ul>	<ul style="list-style-type: none"><li>• Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)</li></ul>
<ul style="list-style-type: none"><li>• Effect on equilibrium Prices in Local Market (taking real life situation or recent news)</li></ul>	<ul style="list-style-type: none"><li>• Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)</li></ul>
<ul style="list-style-type: none"><li>• Solar Energy, a Cost Effective Comparison with Conventional Energy Sources</li></ul>	<ul style="list-style-type: none"><li>• Bumper Production- Boon or Bane for the Farmer</li></ul>
<ul style="list-style-type: none"><li>• Any other newspaper article and its evaluation on basis of economic principles</li></ul>	<ul style="list-style-type: none"><li>• Any other topic</li></ul>

Class XII	
<ul style="list-style-type: none"> <li>• Micro and Small Scale Industries</li> <li>• Contemporary Employment situation in India</li> <li>• Goods and Services Tax Act and its Impact on GDP</li> <li>• Human Development Index</li> <li>• Self-help group</li> <li>• Monetary policy committee and its functions</li> <li>• Government Budget &amp; its Components</li> <li>• Exchange Rate determination – Methods and Techniques</li> <li>• Livestock – Backbone of Rural India</li> <li>• Sarva Siksha Abhiyan – Cost Ratio Benefits</li> <li>• Minimum Support Prices</li> </ul>	<ul style="list-style-type: none"> <li>• Food Supply Channel in India</li> <li>• Disinvestment policy of the government</li> <li>• Health Expenditure (of any state)</li> </ul>
<ul style="list-style-type: none"> <li>• Waste Management in India – Need of the hour</li> <li>• Digital India- Step towards the future</li> </ul>	<ul style="list-style-type: none"> <li>• Inclusive Growth Strategy</li> <li>• Trends in Credit availability in India</li> <li>• Role of RBI in Control of Credit</li> <li>• Trends in budgetary condition of India</li> <li>• Currency War – reasons and repercussions</li> </ul>
<ul style="list-style-type: none"> <li>• Vertical Farming – an alternate way</li> <li>• Make in India – The way ahead</li> </ul>	<ul style="list-style-type: none"> <li>• Alternate fuel – types and importance</li> <li>• Golden Quadrilateral- Cost ratio benefit</li> <li>• Relation between Stock Price Index and Economic Health of Nation</li> <li>• Minimum Wage Rate – approach and Application</li> <li>• Rain Water Harvesting – a solution to water crises</li> </ul>
<ul style="list-style-type: none"> <li>• Rise of Concrete Jungle- Trend Analysis</li> <li>• Any other newspaper article and its evaluation on basis of economic principles</li> </ul>	<ul style="list-style-type: none"> <li>• Silk Route- Revival of the past</li> <li>• Bumper Production- Boon or Bane for the farmer</li> <li>• Organic Farming – Back to the Nature</li> <li>• Any other topic</li> </ul>

- **2. Complete the questions given in the question bank for the chapters given below:**
  - Introduction to PPC**
  - Consumer's equilibrium**

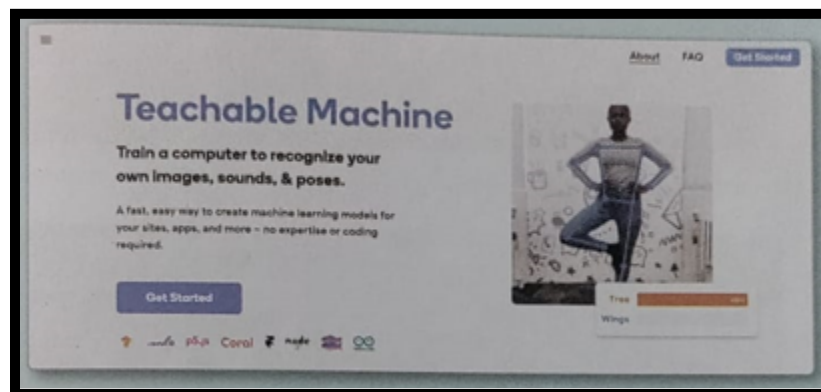
## **ARTIFICIAL INTELLIGENCE**

### **1. Practical on Supervised Learning**

#### **Open Google's Teachable Machine**

Choose the image project. Upload at least 10 images of 'Taj Mahal' in Class 1 and 10 images of 'Qutub Minar' in Class 2. Train your model. Now test your model by uploading the image of Red Fort. What percentage of the Red Fort image matches Taj Mahal or Qutub Minar? What do you infer from this?

<https://teachablemachine.withgoogle.com>



To learn how to use teachable machine watch the video: Teachable Machine By Google Train Your Model With Ease [Teachable Machine By Google- Train Your Model With Ease](#)

2. Try out Thing Translator

Go to <https://thing-translator.appspot.com/>

The website requires camera access and see how AI identifies various objects, not just in English but in other languages like Spanish too Do the activity based on q.2

AI Activity Worksheet

Topic: Exploring Thing Translator – Object Identification and Translation Using AI

Activity Instructions:

1. Open the website: <https://thing-translator.appspot.com/>
2. Allow camera access when prompted.
3. Show different objects to the camera one by one.
4. Observe how the tool identifies each object and displays its name in English and another language (e.g., Spanish).

Answer the Following Questions:

1. What is the Thing Translator used for?
2. Write the names of three objects you tried and their translated names (if shown):

Object (in front of camera)	Identified Name	Translated Name
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2. How do you think the tool identifies the object? (Hint: Think about AI and camera)
3. What did you learn from this activity about how AI can be used in real life?

**HOME SCIENCE**

1.Complete the assignment of the following chapters from the Question Bank provided to you:

**I) Inroduction to Home Science**

## **II) Understanding the Self**

## **III) Food, Nutrition, Health and Fitness**

**2.Prepare the Practical file as per the requirements of final examination for 5 marks. The practical file should be handwritten keeping in mind the guidelines and topics discussed already & given in class.**

**3.Make a note of key words given to remember the definitions in each chapter. Revise with the help of mind maps drawn for all chapters completed. This will help you to be confident that the entire chapter is covered.**

### **Painting Holiday Homework**

#### **THEORY**

Q1) On the basis of style technique and time periods , the rock art of Bhimbetaka has been classified into how many groups ?  
Explain

Q2) Write short note on :

A) Dancing Girl( Mohen-jo- daro)

B) Seal (Unicorn Bull)

C) Lion Capital ( Sarnath)

D) Padmapani Bodhisattva

(Written work to be done in copy)

#### **Practical**

Painting composition -

1) Free hand basic design assignment (size of the box 12 X 16 inches )

2) Free hand basic design assignment (size of the box 12 X 14 inches )

3) Geometrical design ( pdf of samples shared in group )

Still life -

Work -2

( reference images I will share in class group )

## **MATHEMATICS**

1.Complete the assignment of the following chapters for the question bank provided to you & solve the additional questions:

- Relations and functions
- Sets
- Trigonometry

- a. Describe in roster form:  $\{x: x \in \mathbb{Z} \text{ and } |x| \leq 2\}$ .
- b. Write the set  $A = \{x: x \text{ is a prime divisor of } 60\}$  in roster form.
- c. What is the no. of relations defined from A to B if  $A = \{1, 2, 3\}$  and  $B = \{a, b\}$ . Justify your answer. What is the no. of relations defined from A to B if  $A = \{1, 2, 3\}$  and  $B = \{a, b\}$ . Justify your answer.
- d. In a joint family of 15 persons, 9 take coffee, 8 take milk and 2 take neither. How many members take both coffee and milk?
- e. **(VBQ)** In a cleanliness drive, out of 25 students of class XI, it is found that 15 students help cleaning the classrooms, 12 students help cleaning the black boards, 11 had taken responsibility to look after the corridors' cleanliness, 5 had taken responsibility of both class rooms and corridors, 9 had taken for both classrooms and black boards, 4 had taken for both blackboard and corridors and 3 had taken all the three responsibilities. Find the number of students who have:
  - i. taken at least one responsibility
  - ii. taken exactly one responsibility
  - iii. none of the responsibilities
  - iv. Suggest any two methods by which you can keep your surroundings clean?
- f. Determine the domain and the range of the relation  $R$  defined by  $R = \{(x, x + 5) : x \in \{0, 1, 2, 3, 4, 5\}\}$
- g. Let  $A = \{x, y, z\}$  and  $B = \{1, 2\}$ . Find the number of relations from set A to set B.
- h.  $R = \{(x, y) : 3x - y = 0, \text{ where } x, y \in A\}$ . Write R in roster form. Also write its domain, codomain and range.
- i. Find the value of :  $\tan 15^\circ$

2. Complete the activities in your practical file which were conducted in the class as part of your practicals which carries 10 marks.