



G. N. I. PUBLIC SCHOOL

(Senior Secondary)

Gujarkhan Campus, Model Town, Ludhiana

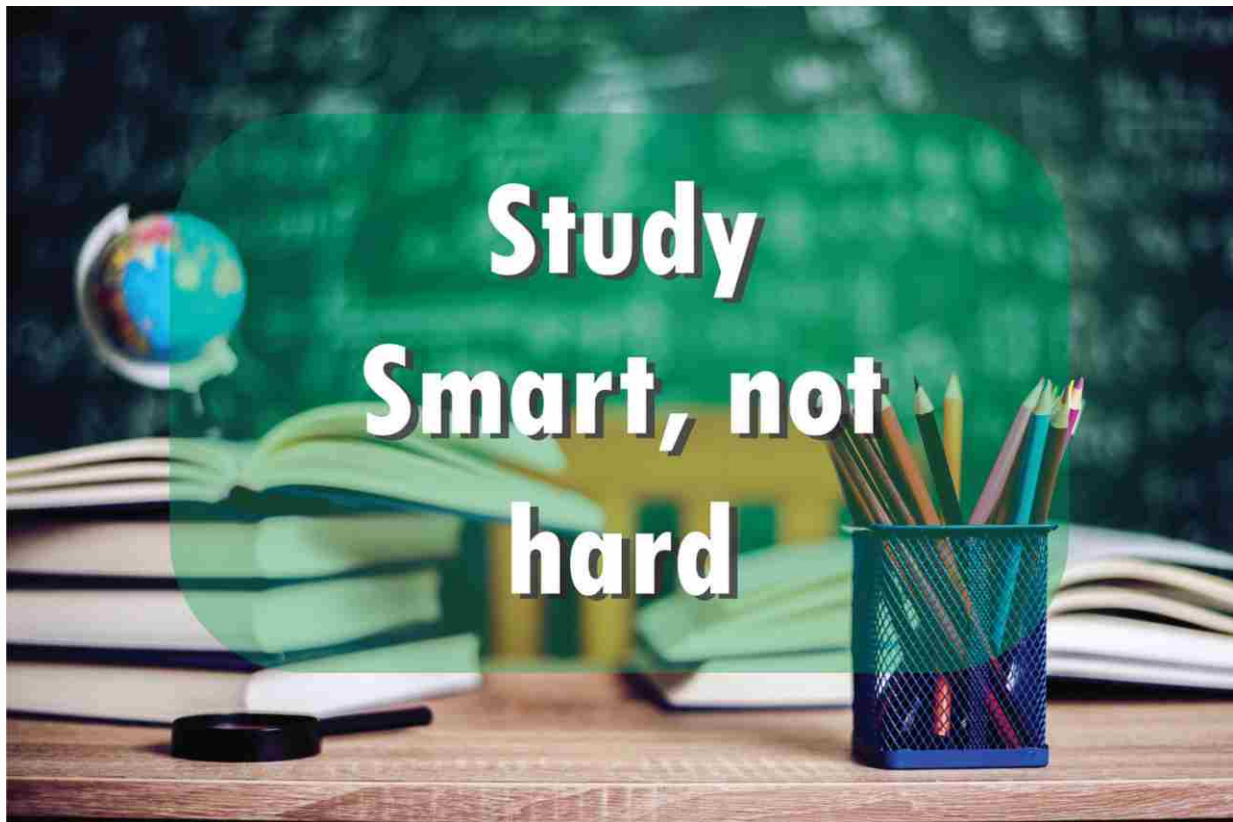
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Holidays Homework

Class - X

Session 2025-2026



Signature
Vice Principal

Signature
Principal

Enjoy Your Holidays



ENGLISH

Note-Attempt all the questions on loose sheets and keep them in a folder. Refer to BBC Compacta for Q1

- Q-1 (a) Complaint Letter (pg 94 & 95), (b) Editorial Letter (pg123 & 124), (c) Analytical Paragraph (pg 229), (d) Tenses (pg254 & 255), (e) Editing (pg 306 & 307), (f) Gap filling (pg 292 & 293)
2. Make a poster on various ways of conserving water when available in excess.
 3. Prepare a sketch on winter landscape with reference to the poem 'Dust of Snow'. (A4 sized sheet)
 4. Write a script on any current 'social issue'. Make it interesting by adding dialogues and characters. Divide the script into four scenes.
 5. Design a Travel brochure of Punjab and Odisha. You can include the following details:
 - (a) Destination Overview
(Brief introduction of the place, Highlights or unique features and why it's worth visiting)
 - (b) Attractions & Landmarks
(Historical sites, natural wonders, amusement parks, Cultural and heritage spots, Local festivals or events)
 - (c) Activities & Experiences (Adventure sports, shopping, food tours, Nature walks, trekking etc.)
 - (d) Travel Tips (Best time to visit, Climate and what to pack)
 - (e) Food & Cuisine
 - (f) Transportation (How to get there by air, road, rail, Local transport options like taxis, buses, bikes)
 - (g) Map or Itinerary (Small map or suggested travel route)
 - (h) Travel Packages (Guided tours, special deals and pricing)
 6. Make a comic strip based on the lesson 'A Triumph of Surgery' (depict the scene after Tricky came back from the surgery but couldn't resist his greed and fell into the same trap).
 7. Design a mosaic work on different animals mentioned in the poem 'How to Tell Wild Animals' on A3 sized sheet and also describe how to identify them.



PUNJABI

ਹੇਠਾਂ ਦਿੱਤੀਆਂ ਐਕਟੀਵਿਟੀਜ਼ A4 size sheet ਤੇ ਕਰਨੀਆਂ ਹਨ।

- 1 ਪੰਜਾਬ ਦੀਆਂ ਮਹਾਨ ਔਰਤਾਂ ਦੀਆਂ ਪ੍ਰਾਪਤੀਆਂ ਤਸਵੀਰਾਂ ਸਹਿਤ ਲਿਖੋ।
- 2 ਇਨਸਾਨ ਦੀ ਬੋਲਬਾਣੀ ਉਸਨੂੰ ਸਫ਼ਲਤਾ ਹਾਸਲ ਕਰਨ ਵਿੱਚ ਇੱਕ ਵੱਡਾ ਪਹਿਲੂ ਬਣਦੀ ਹੈ। ਨਿੱਜੀ ਘਟਨਾ ਦਾ ਹਵਾਲਾ ਦਿੰਦਿਆਂ ਇੱਕ ਪੈਰਾ ਲਿਖੋ।
- 3 ਗੁਰਬਾਣੀ ਦੀ ਕੋਈ ਤੁੱਕ ਲਿਖੋ।
- 4 ਪੰਜਾਬ ਤੇ ਉੜੀਸਾ ਦੇ ਸੱਭਿਆਚਾਰ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਦੱਸਦੇ ਹੋਏ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਬਣਾਓ।
- 5 ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਇਤਿਹਾਸ ਤੇ ਇੱਕ ਕਵਿਤਾ ਲਿਖੋ।
- 6 ਪੰਜਾਬੀ ਸਮਾਜ ਵਿੱਚ ਪਨਪਰਗੀਆਂ ਸਮੱਸਿਆਵਾਂ ਤੇ ਉਹਨਾਂ ਦੇ ਨਿਵਾਰਨ ਬਾਰੇ ਲਿਖੋ।

ਨੋਟ. ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ ਚ ਕਰਾਏ ਸਾਰੇ ਪਾਠਾਂ ਦੇ ਪ੍ਰਸ਼ਨ ਉੱਤਰ ਯਾਦ ਕਰੋ।

MATHEMATICS

Instructions:- Complete all the assignments of ch (1 to 6) in holidays homework notebook.

Art Integrated Activity

- ❖ Crossword puzzles to be done on A4 size sheet.
- ❖ Draw a design on A.P. on A4 size sheet.
- ❖ All the case based and Assertion Reason questions to be done in holidays homework notebook.

Note:- PDF of the above questions will be shared in Class group.

SCIENCE

1. Revise chapters - 1,2,5 and 9 thoroughly.
2. Do practice of balancing of chemical equations.
3. Numerical Problems
1. The image obtained with a convex lens is erect and its length is 4 times the length of the object. If the focal length of the lens is 20 cm, calculate the object and image distances. [Ans: -15 cm, -60 cm)



2. A needle placed 45 cm from a lens forms an image on the screen placed 90 cm on the other side of the lens.

Identify the type of the lens and determine its focal length. What is the size of the image if the size of needle is 5.0 cm? **[Ans: convex; 30 cm, -10 cm]**

3. A concave lens has a focal length of 50 cm. Calculate its power. **[Ans: -20]**
4. The image of a needle placed 10 cm from a lens is formed on a wall 20 cm on the other side of the lens.

Find the focal length of the lens and size of image formed, if the size of object needle is 2.5 cm. **[Ans: 6.67 cm; -5 cm]**

5. An object is placed at a distance of 30 cm from a concave lens of focal length 15 cm. Find the nature and position of the image. **[Ans: virtual, erect; at-10.0 cm]**
6. A thin lens has a focal length of -25 cm. What is the power of the lens? Is it convex or concave? **[Ans: -4 D; concave]**

4. **Draw the Ray diagrams for different positions of object kept in front of spherical Mirrors and lenses.**

5. **Draw all the diagrams of chapter 7" How do organisms reproduce" on A4 sheets**

6. **Prepare a PowerPoint presentation/project:**

- i) conservation of forest and wildlife (odd roll numbers) conservation of water resources (even roll numbers)

7. **Art integrated project:**

Topic: Comparative study of flora and fauna of Punjab and Odisha.

8. **Complete science practical notebook according to the instructions and sequence discussed in the class.**

SOCIAL SCIENCE

1. Draw/Paste symbols of any 5 National and 5 State Political Parties and write their ideologies on A-4 size sheet.
2. Draw the cartoons on page no. 64, 65, 67, and 70 on different A-4 size sheets.
3. Prepare a project on Consumer Awareness
(Write in legible hand) - The presentation should be colourful & attractive. It should be prepared in an innovative way.
4. Prepare a comparative table for soils of India including all the characteristics of each soil.
5. On the political map of India show the distribution of major soils found in India.
6. Prepare a mind map of Chapter-2 (Nationalism in India on A4 size sheet).



7. Art Integrated activity: Punjab and odisha. Compare and contrast culture and heritage of punjab and odisha showing the following main points:
- ❖ Dance forms of punjab and odisha
 - ❖ Hertiage of punjab and odisha
 - ❖ Important monuments of both states

INTRODUCTION TO FINANCIAL MARKETS

- ❖ Make a Poster on '**Green Skills**', Refer Employability skills book.
- ❖ Make a A4 sheets assignment on the topic "**Listing of a new company on Indian Stock Exchange.**" As per SEBI guidelines.
- ❖ Make a Power-Point presentation (**PPT**) on the topic-
I.P.O. of the Financial year 2025-26. (You need to bring hard and soft copy of PPT to the school).
- ❖ Revise the syllabus done till May.

INFORMATION TECHNOLOGY (402)

Activity 1 - To create a word processor file on any topic by applying styles.

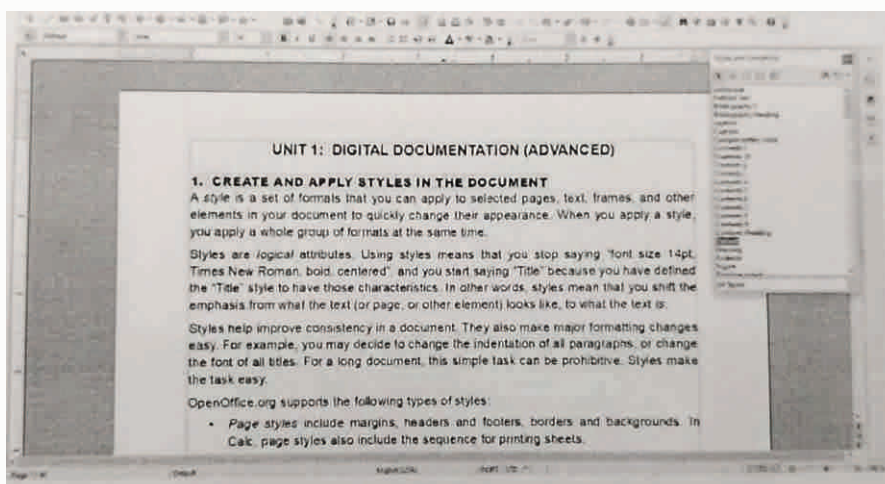
STEPS:

Step-1: Open a new document in Open Office writer and type a paragraph.

Step-2: Click the styles and formatting icon located at the top left hand corner of or click format? styles and formatting or Press F11.

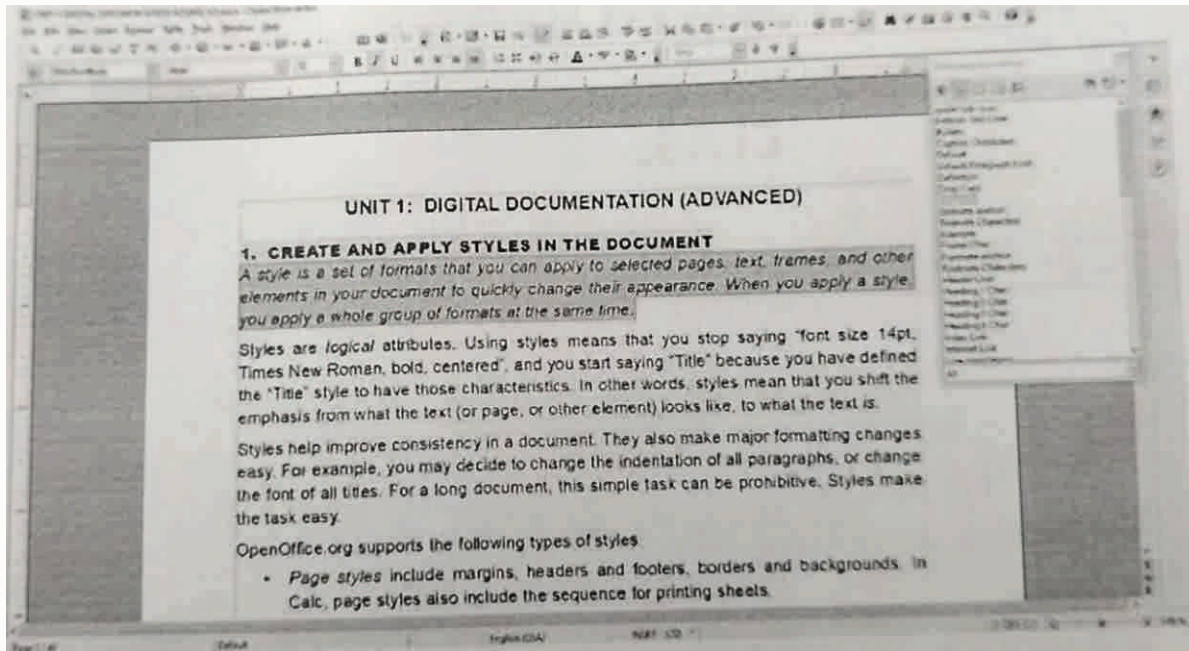
Step-3: The styles and formatting window appears.

Step-4: Select the first paragraph.



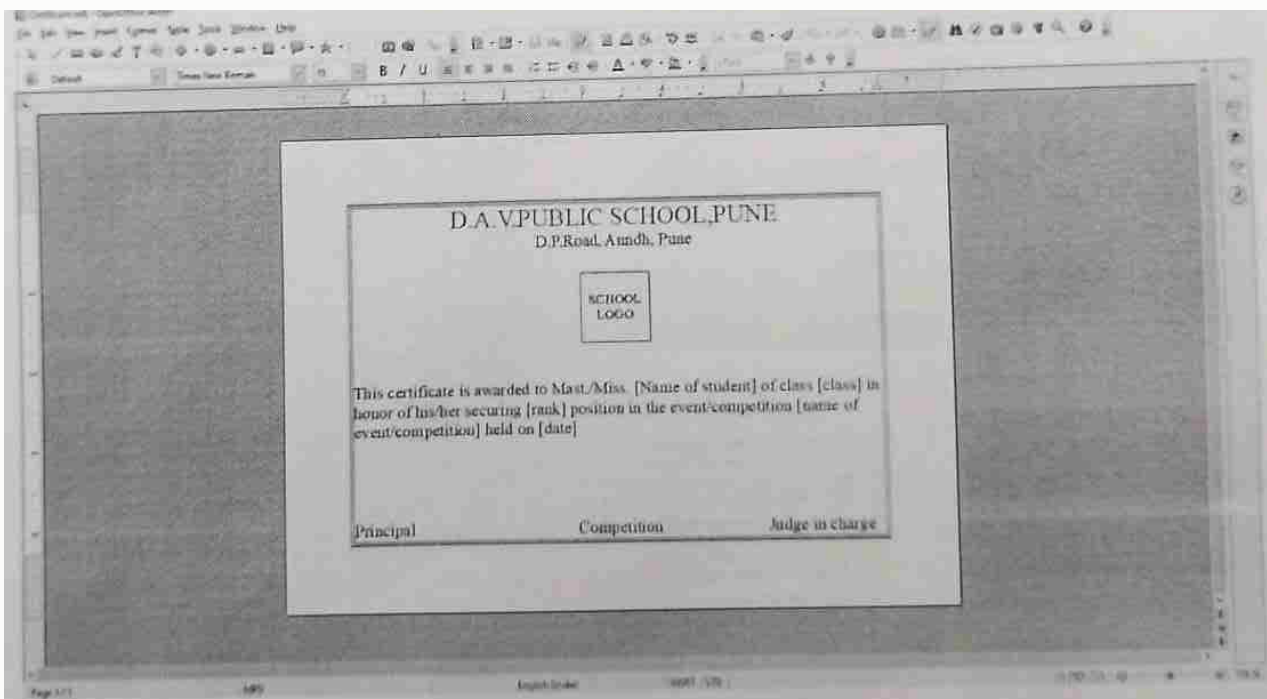


Step-5: Apply the character style 'Emphasis' by double clicking on it.



Activity 2- Insert any picture from the gallery. Use any 6 filters of Picture toolbar on it. Write the name of the filters used along with the pictures.

Activity 3- To create a word document given below using templates.



Activity 4 - To open a word document and create/ customize table of contents for the IT book.

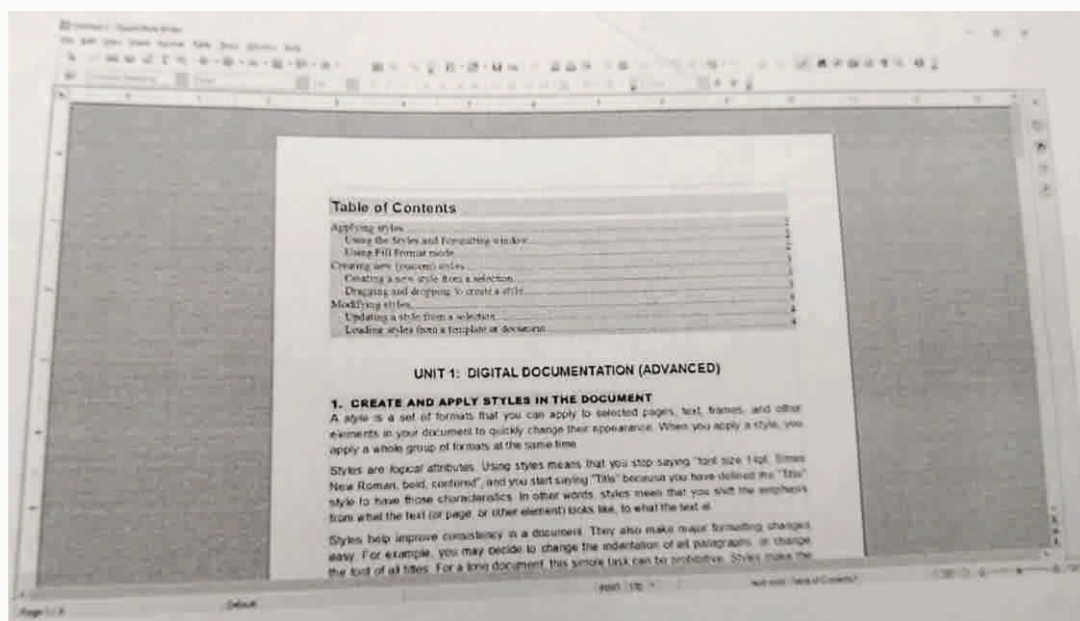
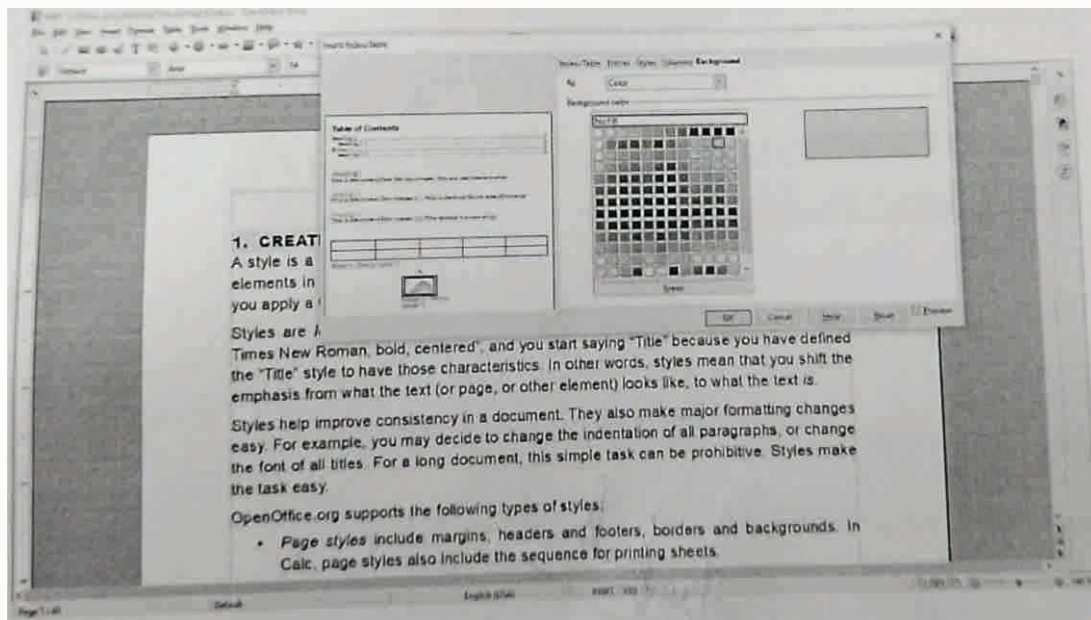
STEPS:

Step-1: Open a new document in Open office writer.



Step-2: Select Insert -> Index and Tables -> Index and Tables

Step-3: Change the colour by selecting the Background tab



Unit 4: Maintain Healthy, Safe and Secure Working Environment

Activity 1- Make a **POSTER** on practice the general evacuation procedures in case of an emergency at Workplace.

Activity 2- Make an A3 size chart on the topic "CYBER SAFETY TIPS". Use relevant text & Pictures.

NOTE- Take the printouts of all these activities on A4 sheet. Submit the Hard Coy to your Subject Teacher.



ARTIFICIAL INTELLIGENCE (417)

PYTHON PROGRAMS

1. Write a program to swap two numbers.
2. Write a program to find largest number among the three input numbers.
3. Write a program to check year is leap year or not.
4. Find the sum of the natural numbers up to n, where the users enters n using While loop.
5. Write a program to find the sum of digits of a number.
6. Check whether a person is eligible to cast a vote(min age=18).
7. Create a list in Python of children selected for science quiz with following names- Arjun, Sonakshi, Vikram, Sandhya, Sonal, Isha, Kartik

Perform the following tasks on the list in sequence-

- ❖ Print the whole list
 - ❖ Delete the name "Vikram" from the list
 - ❖ Add the name "Jay" at the end
 - ❖ Remove the item which is at the second position.
8. Create a list num=[23,12,5,9,65,44]
 - ❖ Print the length of the list
 - ❖ Print the elements from second to fourth position using positive indexing
 - ❖ Print the elements from position third to fifth using negative indexing
 - ❖ Create a list of first 10 even numbers, add 1 to each list item and print the final list.
 - ❖ Create a list List_1=[10,20,30,40]. Add the elements [14,15,12] using extend function. Now sort the final list in ascending order and print it.
 9. To print the following patterns using multiple print commands-

*	*****
**	*****
***	***
****	**
*****	*

10. To print first 10 even numbers

Activity

Make a A3 size chart on AI Ethics.

PROJECT - TEACHABLE MACHINE

Create an AI Model using Teachable Machine
(<https://teachablemachine.withgoogle.com/>)

NOTE-

1. Do all the programs in Jupyter Notebook.
2. Take the printouts of all these Python Programs on A4 sheet. Submit the Hard Copy to your Subject Teacher.



HINDI

प्रिय विद्यार्थियों!

"शिक्षा हमें सही-गलत की पहचान करना सिखाती है, और यही हमारे भविष्य की नींव है, जिसका हमें मजबूती से निर्माण करना चाहिए।" समय और शिक्षा के महत्व को समझे और गर्मी की छुट्टियों में समय का सदुपयोग करें।

नोट:- दिए गए कार्य के मुद्रित अभिलेख (Printouts) लेकर सुंदर ढंग से पूरा करें।

सभी गतिविधियों (Activities) और पूरे कार्य की Assessment दी जाएगी।

- 1) Subject Enrichment Activity: हिन्दी साहित्य के किन्हीं पाँच कवियों का जीवन परिचय दीजिए on A4 size sheets with pictures.
- 2) Activity:- प्रकृति आपदाओं के चित्र चिपकाकर उनका वर्णन करें 44 size sheets.
- 3) Subject Enrichment Activity:- कैफ़ी आज़मी जी का जीवन परिचय देते हुए उनके बारे में लिखिए A4 size sheets with pictures.
- 4) 'अ', 'आ', 'क', 'स' से शुरू होने वाले पाँच-पाँच मुहावरे लिखिए।
- 5) देश प्रेम क्या है, और हम देश प्रेम को किन-किन रूपों में प्रकट कर सकते हैं? इस विषय पर 100 शब्दों में अनुच्छेद लिखिए।
- 6) कोई पौधा लगाए और प्रतिदिन उसकी देखभाल करें (A4 size sheet) अपने अनुभव को साझा करें, उस पौधे की तस्वीर के साथ।
- 7) समाचार पत्र में से 10 विज्ञापन काटकर कॉपी में चिपकाए और किन्हीं दो उत्पादों के विषय में दो विज्ञापन बनाकर लाएं।
- 8) तीन विभिन्न विषयों पर ईमेल लेखन कीजिए।

HEALTH AND PHYSICAL EDUCATION (HPE)

1. Perform any 5 Yoga Asanas daily.
2. Get up early in the morning and go for a walk and do exercise for half an hour. (Make a video for the same)
3. Prepare a collage/Poster focusing on Health and Wellness.

Hints: Healthy eating, Exercise, Fitness and lifestyle, Mental Health, Nature Walk etc.

Note:- Video to be shared with HPE Teachers after holidays.

DRAWING

Prepare a sheet (A4) of Landscape drawing with pencil shading i.e given in your book on Page no. 42, 43.

Complete your previous work i.e. Theory assignment of perspective study, as it will be checked after holidays

Note: School will reopen on 9th July, 2025