"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

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.

<u>SOCIOLOGY</u>

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

I) Sociology and Society

II) Terms, Concepts and their use in Society

III) Understanding Social Institutions

2.Prepare the Practical file as per the requirements of final examination for 20 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.

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	
• Effect on PPC due to various government policies	• Invisible Hand (Adam Smith)
• Opportunity Cost as an Economic Tool (taking real life situations)	• Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
• Effect on equilibrium Prices in Local Market (taking real life situation or recent news)	• Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
• Solar Energy, a Cost Effective Comparison with Conventional Energy Sources	• Bumper Production- Boon or Bane for the Farmer
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

2. **Complete the questions given in the question bank for the chapters given below:**

   a) **Introduction to PPC**
   b) **Consumer's equilibrium**

CLASS-11

ARTIFICIAL INTELLIGENCE

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

Try out Thing Translator

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

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

AI Activity Worksheet

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

Activity Instructions:

Open the website: https://thing-translator.appspot.com/

Allow camera access when prompted.

Show different objects to the camera one by one.

Observe how the tool identifies each object and displays its name in English and another language (e.g., Spanish).

Answer the Following Questions:

Q.1What is the Thing Translator used for?

Q2. Write the names of three objects you tried and their translated names (if shown):

Object (in front of camera)

Identified Name

Translated Name

Q.3How do you think the tool identifies the object? (Hint: Think about AI and camera)

Q.4What did you learn from this activity about how AI can be used in real life?

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
(refrence images I wil share in class group)

HISTORY

1. **Complete the assignment of the following chapters from the question bank provided to you:**

- Writing and City Life

- An Empire across three Continents

2. **EACH STUDENT HAS TO COMPULSARY UNDERTAKE ONE PROJECT.**

The project should consist of the following:

1. Title   page
2. Acknowledgment
3. Table of contents
4. Introduction
5. The body of the project should have description of the selected topic, pictures, data analysis and other relevant information
6. Conclusion should have students' observations on the topic
7. Bibliography   and references

A list of topics enclosed:

- The legacy of Mesopotamia Civilization

- The Roman Empire with special reference to architecture, government

  and society.

- Role of Genghis Khan in establishing Nomadic Empire

- Europe from 13th to 16th Century

- Case study on China & Japan

POLITICAL SCIENCE

1. **Complete the assignment of the following chapters from the question bank provided to you:**

- Constitution: Why and How?

- Rights in the Indian Constitution

2. **EACH STUDENT HAS TO COMPULSARY UNDERTAKE ONE PROJECT.**

The project should consist of the following:

1. Title page
2. Acknowledgment
3. Table of contents
4. Introduction
5. The body of the project should have description of the selected topic, pictures, data analysis and other relevant information.
6. Conclusion should have students' observations on the topic
7. Bibliography and references

A list of topics enclosed:

1. Impact of opinion polls in politics

2. RTI Act and political participation

3. Corruption in politics

4. Electoral bonds in politics

5. Women in politics in India

6. Media and Politics

7. Judicial Accountability

8. Coalition politics & the changing perspective of Indian Federal Government.

3. **Analyze and write the facts:**

● Prepare a report on "WRITE TO WALK" passed in Punjab.

● Collect newspaper clippings about Elections in India and a non democratic country. Classify the clippings under the following headings:

● Eligibility of a voter.

● System of Representation.

● Free and Fair conduct of Elections

● Role of Election Commission.

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: $\{x : x \in Z \text{ and } |x| \le 2\}$.

b. Write the set $A = \{x : x \text{ is a prime divisor of } 60 \}$ in roaster form.

c. What is the no. of relations defined from A to B if A={1,2,3} and B={a,b}. Justify your answerWhat 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 corridoors, 9 had taken for both classrooms and black boards, 4 had taken for both blackboard and corridoors 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. $R = \{(x, y) : 3x - y = 0, where\ x, y \in A\}.$ Write R in roster form. Also write its domain, codomain and range.

i. Find the value of : $\tan 15°$

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

MUSIC HOLIDAY HOMEWORK
Theory
1.नाद किसे कहते हैं,इसके भेद तथा लक्षण क्या क्या हैं ?
2. श्रुतियां किसे कहते हैं ,और यह कितनी हैं ?
3. स्वर क्या है,कितने हैं,श्रुतियों पर स्वर व्यवस्था कैसी की गयी है ?

4. सप्तक क्या है तथा कितने सप्तक माने गए हैं ?

5.थाट किसे कहते हैं और यह कितने माने गये हैं ?

6. राग किसे कहते हैं और राग के नियम क्या-क्या हैं ?

7.जाती,वादी-संवादी,वर्जित स्वर,आरोह-अवरोह ,पकड़ से आप क्या समझते हैं ?

8. ताल क्या है ?

9. कहरवा, दादरा, तीन ताल, और एक ताल को एकगुण,दोगुन,चोगुण में लिखने का अभ्यास करें !

क्रियात्मक अभ्यास *(PRACTICAL PRACTICE)*

10. छात्र c/c# scale से सरगम गाने का अभ्यास करें

तथा छात्राएँ G#/A# scale से सरगम गाने का अभ्यास करें

11, स्वर को सही करने के लिए तानपुरे के साथ गाए और swar meter app पर अपने सुर को सही करें ! अगर तब भी स्वर सही नहीं हो रहा है तो हारमोनियम (manual or app) के साथ एक-एक स्वर पर 2-2 मिनट रुक-रुक कर अभ्यास करें

12. अलग- अलग शास्त्रीय गायकों के द्वारा गाए गए राग बिहाग और भैरवी को अच्छे से सुने । यहाँ मैं निचे कुछ यूट्यूब के link आपसे साझा कर रहा हूँ

https://youtu.be/yE-FwnrbgDA?si=Gzj-93A0dVvxA3Ia

राग बिहाग आलाप और तान के साथ

https://youtu.be/4NRk6pr31oc?si=IQ-dxFlZq0iJpeeN

 ईस link में राग भैरवी की स्वरलिपि गायी गई है,

https://youtu.be/d5j_1Tsl9nI?si=J23Sh34P_hEpSF4W

इस link में राग बिहाग की स्वरलिपि गाई गई है, जिसे सुन-सुनकर अच्छे से याद करें एवं लिखने का अभ्यास करें

13. अब मैं निचे ताल कहरवा,तीन ताल ,दादरा ताल के link आपसे साझा कर रहा हूँ, इसे आप अच्छे से सुन-सुनकर, ताली देकर, वीडियो के साथ -साथ याद करें

https://youtu.be/K-WB-g4_yEk   तीन ताल की ताली

https://youtu.be/kD1a5PB0gYU एक ताल की ताली

https://youtu.be/X7MpxDeyy44?si=M0-45sp-Kv3rvvci   ताल कहरवा की

https://youtu.be/8M7OsQSKrRE?si=RG13LGSurzfAGlYnताल दादरा की ताली