



ARMY PUBLIC SCHOOL AMBALA CANTT



WORK



## SUMMER VACATION HOME WORK : 2024-25

### CLASS XI

CLASS : XI ENGLISH

#### **INSTRUCTIONS FOR COMPILATION OF HOLIDAY HOMEWORK**

- All homework is to be done on A4 size sheets and compiled in a hard bound file / folder. Design an attractive cover for your file / folder.
- You may use different coloured A4 size sheets .Have a labelled cover page for the Project Work.All sheets should be put together /tied/ stapled together and handed over to the respective English teachers on the first day of rejoining after summer break
- The written part should be neatly presented in your own handwriting.
- Try to incorporate creativity and innovation.
- Remember a well presented "Holiday Home Work" fetches you appreciation of the teachers and classmates.

**LAST DATE OF SUBMISSION OF HOLIDAY HOMEWORK: 08 JULY 2024**

#### **I. Poster Making:**

Design an attractive poster on ANY TWO of the following:

- From Trash to Treasure: Recycling and Up cycling for a Sustainable Future
- Voting: A Privilege, A Duty, A Right
- Break the Silence: Let's Talk About Mental Health
- Reading is Dreaming with Open Eyes: Inspire Others to Read

#### **II. Newspaper Activity:**

Cut out and paste (minimum 2 each) clippings of classified advertisement from the newspaper under the heading:

- Situation Wanted
- Situation Vacant
- Property For Sale
- To-Let

#### **III. Community Engagement Project:**

- Plan a visit to an orphanage, blind school, slum area, or any community service initiative of your choice.
- Document your visit through photographs, drawings, or narratives..
- Write a reflection on your experience and what you learned from it in 200 words.

#### **IV. Summer Reading Adventure: Explore, Reflect, and Discover**

Reading books opens the door to new worlds, ideas, and experiences. Choose a book from the provided list or one of your own, and read it over the summer break.

After reading, write a brief book review highlighting the key aspects of the story, such as the plot, characters, and your overall impression. Include a recommendation for your classmates, explaining why you think they should or shouldn't read this book. Your review should be concise yet informative, giving your peers a glimpse into the book's world and enticing them to pick it up themselves.

Suggested Books:

1. "To Kill a Mockingbird" by Harper Lee
2. "The Giver" by Lois Lowry
3. "The Diary of a Young Girl" by Anne Frank
4. "Percy Jackson & the Olympians" series by Rick Riordan
5. "The Hunger Games" trilogy by Suzanne Collins
6. "The Hobbit" by J.R.R. Tolkien
7. "Wonder" by R.J. Palacio
8. "The Alchemist" by Paulo Coelho
9. "The Outsiders" by S.E. Hinton
10. "Thirteen Reasons Why" by Jay Asher

## **V. Revise the PT-1 syllabus.**

### **CLASS : XI CHEMISTRY**

- 1) all the intext and back exercise questions of NCERT for the chapters
  - a) SOME BASIC CONCEPTS OF CHEMISTRY
  - b) ATOMIC STRUCTURE (Upto chapter covered)
- This task of notebook completion will be given weightage in internal assessment.
- 2) Revise the syllabus covered for Periodic Test 1
- 3) Learn Atomic number and Atomic masses of Element upto A.No 30.
- 4) Revise valencies and formula making of compounds.
- 5) Make any working model or prototype of chemistry based on day to day life problem on theme " Best Out of Waste" discussed in class.

### **CLASS : XI ARTIFICIAL INTELEGENCE**

#### **PROJECT**

1. Spam Email Detector
2. Sentiment Analysis of Product Reviews
3. Handwritten Digit Recognition
4. Chatbot for Customer Service
5. Stock Price Prediction
6. Face Detection System
7. Language Translation Model
8. Object Detection with Tensor Flow
10. Traffic Sign Recognition

**DESIGN FIRST STAGE WITH CIRCUIT DIAGRAM OF YOUR PROJECT..PREPARE PPT ALSO**

**Revise for Periodic Test 1 :**

**COMMUNICATION SKILLS**

**ENTREPRENEURIAL SKILLS**

**ICT SKILLS**

## INTRODUCTION OF AI

### CLASS : XI FINE ARTS

1. Visit any art museum/art gallery. Capture your favorite sculpture and paintings. Paste it in your drawing file and write down your experience.
2. Make one landscape painting included one human figure in your drawing file.

### CLASS : XI MATHS

- (i) I). Revise Periodic Test -1 Syllabus
- (ii)
- (iii) (II) Do given assignments
- (iv)
- (v)(III) Complete assigned activities in Lab Manual.

### CLASS : XI PHYSICS

1. Prepare for Unit Test 1(Syllabus: Chapter 1,2 and 3)
2. Complete the experiments and activities of Section A in Practical File. (NEW WAY PHYSICS)

#### Experiments:

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
2. To measure diameter of a given wire and thickness of a given sheet using screw gauge
3. Using a simple pendulum, plot its  $L-T^2$  graph and use it to find the effective length of second's pendulum.
4. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.

#### Activities:

1. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
2. To determine mass of a given body using a metre scale by principle of moments.
3. To study the variation in range of a projectile with angle of projection.

#### HOW TO WRITE EXPERIMENTS IN PRACTICAL NOTEBOOK

LEFT HAND SIDE (BLANK PAGE)		RIGHT HAND SIDE (RULED PAGE)	
EXPERIMENT NO	DATE	EXPERIMENT NO	DATE
AIM		AIM	
REQUIREMENT		REQUIREMENT	
DIAGRAM		THEORY	
OBSERVATIONS AND OBSERVATION TABLE		PROCEDURE(IN PAST TENSE)	
CALCULATIONS		PRECAUTIONS	
RESULT		SOURCES OF ERROR	

3. Complete the assignment:

[https://drive.google.com/file/d/1InwdMZD6-MKiMih3Xv73IYR5reF38RjH/view?usp=drive\\_link](https://drive.google.com/file/d/1InwdMZD6-MKiMih3Xv73IYR5reF38RjH/view?usp=drive_link)

## CLASS : XI MUSIC (VOCAL)

COMPLETE PROJCT FILE:

TOPIC -

1. RAAG BIHAG (DESCRIPTION+VILAMBIT KHAYAL+DRUT KHAYAL SWARLIPI)
2. TAAL – TEENTAAL AND EKTAAL (DESCRIPTION+EKGUN+DUGUN)
3. LIFE SKETCH- PT. VISHNU NARAYAN BHATKHANDE
4. ALL DEFINAITIONS – DHWANI,NAAD,SHRUTI,SWAR,SAPTAK,THAAT,JATI,LAYATAAL.
5. GRANTH- NATYASHASTRA.

## CLASS : XI PHYSICAL EDUCATION

- ( i)Complete your notebook with neat and clean handwriting as well as it should be covered properly.
- (ii) Do short answer, Questions, very short Answer questions, Objective type questions.
- (iii) Do Jogging & running and stretching exercise atleast 30 min.daily
- (iv) Revise Periodic Test 1 syllabus
- (V) Make a group of 5 students and prepare one working model related to one game .

## CLASS : XI BIOLOGY

✳️ INVESTIGATORY PROJECT:

PREPARATION OF SOYA BEAN MILK OR ALMOND MILK AND ITS COMPARISON WITH THE NATURAL MILK WITH RESPECT TO CURD FORMATION, EFFECT OF TEMPERATURE AND TASTE.

✳️ CONSOLIDATE ALL IMPORTANT DIAGRAMS FROM CHAPTER 2 & 5

✳️ INNOVATE FOR BETTER SOCIETY

- 🌱 Identify a problem in your society.
- 🌱 Propose an innovative solution to it.
- 🌱 Support your idea with facts/figures/charts/models or ppts.
- 🌱 Ensure the idea proposed is original affordable and eco friendly.

✳️ TAKE A PRINTOUT OF THE ASSIGNMENT GIVEN, SOLVE AND PASTE IT IN YOUR NOTEBOOK.

## CLASS XI : ACCOUNTANCY

- 1.Revise short answer questions, very short answer questions, Objective type questions ( back exercise) of Lesson no. 2,3 and 6.
- 2.Do all practical questions of lesson 6 in practice note book.
3. Collect different forms used in bank for any transaction e.g. deposit form, withdraw form, new account open, current account, RTGS etc and paste in a scrap book.

## CLASS XI : BUSINUSS STUDIES

1. Revise all, memory and understanding based questions, Application and hot based questions and case studies ( back exercise) of lesson 1

2. Prepare a PPT on any innovative idea on entrepreneurship on any business idea or service..

OR

Do a study of any successful inspirational entrepreneur in the past who made history in any business

CLASS XI: ECONOMICS

REVISE

PT -1 SYLLABUS

Ch-1,2,3,8

- Visit to slum area to collect data on unemployment. Take pictures also.

CLASS XI: HINDI

ग्रीष्मावकाश कार्य

कक्षा ग्यारहवीं (2024 -25)

स्क्रैप फाइल में किया जाने वाला कार्य- 📌

1. ग्रीष्मावकाश में अपने परिजनों के साथ किसी अनाथालय/दृष्टिहीन आश्रम में जाएं और उनसे बातचीत करने के बाद अपने अनुभव को 60 से 80 शब्दों में लिखें।

2. निम्नलिखित विषयों में से किसी एक या दो विषयों पर कविता लिखिए -

\*\* मेरी माँ/मेरे पिता जी

\*\* फिर आया आया चुनाव का मौसम

\*\* मेरा देश, मेरी पहचान

3. लेखक प्रेमचंद / फणीश्वर नाथ रेणु द्वारा लिखित एक कहानी और पंचतंत्र की कोई दो कहानियों को पढ़ें तथा उन कहानियों के नाम लिखकर, उन से मिली शिक्षा को अपने शब्दों में लिखिए।

4. CBSE द्वारा दिए गए विषयों में से एक विषय को चुनकर अपनी परियोजना कार्य का प्रारूप तैयार कीजिए ।

नोट : प्रथम इकाई एक पाठ्यक्रम को कंठस्थ करें व लिखित अभ्यास करें।

CLASS XI : GEOGRAPHY



(i) Revise short answer questions, very short answer questions and objective type questions.

(ii) Make a project file of map work of India and World .

(iii) Complete practical file as per CBSE syllabus.

(iv) Revise Periodic Test 1 syllabus.

## CLASS XII : POLITICAL SCIENCE

# ACTIVITY

General elections are being held in India from 19 April to 1 June 2024 in seven phases, to elect 543 members of the Lok Sabha. The Election System followed in these elections is the First Past the Post System (Read Chapter Three, Election & Representation, of the Book Indian Constitution at Work).

Collect newspaper clippings about the General Elections (2024) in India and analyze the impact of the First Past the Post System on the election outcomes in any four Parliamentary constituencies. You can do this by making a comparative analysis on the performance of all political parties from a particular constituency in terms of the percentage of votes won by each party and the corresponding number of seats won in the Lok Sabha. The table given below can be referred to as an example.

PARTY	Votes (%)	Seats
Congress	46.0	41%
BJP	27.8	9%
Janata	6.7	11%
Lok Dal	6.7	12%
CPI (M)	5.7	22%
Trinamool Congress	4.1	45%
DMK	2.3	7%
AAP	1.4	12%
Shiv Sena	1.0	7%
NCP	1.0	7%

This activity should be followed by a cartoon strip to show the impact of the FPTP system of elections on the election outcome of the country.

Mode of Submission: Scrap File  
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Revise for Periodic Test 1 Constitution at Work

Periodic Test 1

Chapter 1 : Constitution why and how?

2. Chapter 8 : Local

3. Chapter 9 : Constitution as a

4. Chapter 10 : The philosophy of the Constitution: The philosophy of the Constitution