

HOLIDAY HOMEWORK CLASS 12

ENGLISH

PHYSICS

CHEMISTRY

MATHS

BIOLOGY

PHYSICAL EDUCATION

COMPUTER SCIENCE /AI

PHSYCOLOGY

GEOGRAPHY

FINE ARTS

MUSIC

SUMMER HOLIDAY WORK
CLASS XII
ENGLISH PROJECT TOPICS (10 marks)

Instructions regarding what to include in Project File:

- Cover page, with title of the project, school details/ details of the student
- Statement of purpose/ objective /goals
- Certificate of completion under the guidance of the teacher
- Action plan for the completion of the assigned task
- Materials such as questionnaire for the interview, written assignments, report etc
- The 800-1000 words article
- Student reflections
- If possible, pictures/photographs that capture the positive learning experience
- List of resources/bibliography

Choose any one topic from the ones given below.

TOPIC :1 Gender issues (Take any one Issue)

- -Highlight the plight of oppressed Gender– inequality, injustice, deprivation, agony, pain faced by them (Infographics / Data).
- -Women ideology towards gender inequality.
- -Movements against Gender inequality.
- -Discrimination at different places (home, job, school etc).
- -Kamala Das: The Voice of Indian Woman’s Quest For Liberation (It is an autobiographical verse) Highlight.
- -# Me too movement.
- -How can the change be brought in the mindset of the people.
- Article in 800-1000 words on ‘Gender Equality– a myth’

TOPIC 2: Unleash your real potential – be bold, be resilient, be strong (Importance of a resilient attitude)

- What do you mean by Resilient Attitude?
- Traits, qualities and characteristics of Resilient person.
- How personal choices help or hinder our resilience.
- Tips for Building and Cultivating Resilience.
- Why is resilience important?
- Is Resilience a skill or character strength?
- What are the seven C’s of Resilience?
- Different types of resilience

- Key component and element of resilience life
- Take an example of the chapter— **Deep Water**
- Other examples of great personalities
- Article in 800-1000 words on ‘Unleash your real potential’

TOPIC -3: Courage is not the absence of fear but triumph over it

- -Introduction
- -Origin of the quote
- -Courage – a choice to act
- -What can one learn from fear
- -Benefits of having courage over fear
- -How and why to overcome fear
- -Fighting against fear is hard but worth it (Examples)
- -Mention some of your worst fears and how you managed to overcome them — A Questionnaire
- -Famous personalities who overcame their fear (Their motivation podcast/speech/stories)
- Article in 800-1000 words on ‘Overcoming Fear’

TOPIC -4- KARMA- THE INFINITE LOOP

- Is Karma an infinite loop?
- What is karma?
- Karma- a matter of faith
- Doctrine of Karma
- Law of causation/ action and reaction/retribution
- Philosophy of Karma
- Theories about Karma– how far are the bangle makers thought on karma or destiny, justified?
- The subtle cause and effect of Karma
- Reincarnation
- Delusion
- Power of karma in relation to destiny
- The Rational of spiritual healing
- Bhagvad Geeta- (reference)
- Duty or motive of karma
- Article in 800-1000 words on ‘Designing our own destinies’

TOPIC-5 PLIGHT OF OLD-AGED PEOPLE

1. About the poet– Kamala Das
2. Poetess' Personal Experience - Common Paradox of Human Relationships
3. Portrayal of Sensational Separation between a Mother and a Daughter
4. Plight of Old Aged People: Ugly Truth about Old Age (with photos)
5. Reasons behind the Need of Old Age Homes
6. Efforts for Stress-Free and Secured Life of Aged People
7. Visit to an Old Age Home (photos of some aged people living in such homes)
8. How to Strike a Balance between Duties and Responsibilities of Children and Society
9. Article in 800-1000 words on Role of Youth to Improve the Plight of Aged People

TOPIC -6

- **Choose an issue that has provoked a controversy like the Bhopal Gas Tragedy or the Narmada Dam Project in which the lives of the poor have been affected.**
- Bhopal gas tragedy
 - History of the Union Carbide India Limited
 - Establishment
 - History and ownership of Bhopal plant
 - What is MIC gas?
 - Storage of MIC gas at Bhopal Plant
- Causes of Bhopal gas tragedy
- Effect of the gas leak
- Government's response to the tragedy
- UCIL response to the tragedy
- Movement and protest led by the victims of the tragedy
- Repercussion of the tragedy
- Media/articles/movie/—cuttings and reviews
- Lesson learnt from the tragedy
- Article in 800-1000 words on 'Can tragedies be avoided?'

TOPIC- 7 RACISM

1. MEANING OF RACISM
2. Types
3. Consequences (Social, Physical, Mental)
4. Racism between humans is the worst kind of Racism because...steps to stop/reduce it
5. How stopping racism can bring equality and peace
6. Racism in India/ world/LGBT community
7. Steps taken till now to stop /reduce it / awareness spread

8. Celebrities and activists participation in spreading awareness

Read the stories ‘Jamaican Fragment’ and ‘Boyhood Days’.

All of the above deal with racial prejudices and the struggle of coloured people to rise above unruly bias, unemployment, poor healthcare, inadequate schools, and unresponsive government.

- What is the message conveyed
 - Make a comparative analysis of the texts keeping in mind the following-
 - The story of misfortune and agony
 - Difference in the situation
 - How do individuals combat the situation of adversity and how should the present hard time be fought

TOPIC -8 : Watch CNN's award-winning Planet in Peril series and Anderson Cooper 360 0 on the environment.

Write a review in 800 to 1000 words highlighting the problems dealt.

- –Like Climate change
- Vanishing habitats
- Disappearing species
- Human population growth
- Collect pictures and articles from the journals, newspaper and science magazines showing the changes
- Make a comparative report showing the changes from the past 20 years.
- Mention Role of Eight year old girl Licypriya, known as Indian ‘Greta’ for her passion towards the fight against climate change. (Take any other example)

TOPIC-9: “When a people are enslaved, as long as they hold fast to their language it is as if they had the key to their prison.”

- Importance of Language
- Meaning of ‘Linguistic chauvinism’
- Find examples in history where conquered people had their language taken away from them or had a language imposed of them—What was the result/outcome
- Problems faced by linguistic minority
- How can they keep their language alive
- Article in 800-1000 words on Linguistic human rights
- Linguistic Chauvinism examples from English literature

Topic 10– Cyber Crime

- What is Cyber crime
- Reasons for increasing cyber crime
- Vulnerable targets/ how targets are chosen
- Kinds of cyber crime

- Real life incidents with pictures of cyber crime victims
- Most vulnerable social media site involved in cyber crime
- How to protect citizens— awareness
- Article in 800-1000 words on Battling Cyber Crime

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I am extremely thankful and pay my sincere gratitude to my teacher_____ for her valuable guidance and support for completion of this project.

I also acknowledge with a deep sense of reverence, my gratitude towards my parents, other faculty members of the school and friends for their valuable suggestions given to me in completing the project.

CLASS: XII SUBJECT : CHEMISTRY

HOLIDAY HOMEWORK (2025-26)

Summer break

1. Preparation of investigatory project and submission after the summer break.
2. Preparation of conversion and name reaction charts.
3. Preparation of group PPT on the topics covered.
4. Revise and solve questions from NCERT Text Book and Exemplar of all the chapters covered from March to May for Periodic examination.
5. Preparation of case-study based questions.

Physics Holiday Home Work

1. Complete all 6 Activities in file as mentioned in the list
2. Practice NCERT numerical based on first four chapters
3. Solve worksheet based on chapter no 1 to 4

Holidays Homework

Class 12 Mathematics

1) Ncert exemplar problems for chapters

a) relation and functions

b) matrix and determinants

c) Inverse trigonometric functions.

2) Do 3 activities based on relations and functions.

3) Do MCQ worksheet based on chapter Matrix and determinants (COMPETANCY BASED PROBLEMS)

4) Make a project on chapter Matrix and determinants or on Inverse trigonometric functions.
(UNDER NEP 2020)

Holiday Homework for Class 12 Biology(25-26)

Assignment 1: Research Project

- Topic: As allotted by mentor teacher.

- Instructions:

1. Research and investigation projects as topics allotted to each individual student
2. Create a presentation or report highlighting the key findings.
3. Include case studies and examples to support the research.

- Submission: Presentations or reports should be submitted in a project file with data analysis.

Assignment 2: Diagrammatic Representation

- Topic: Create diagrams illustrating the structure and function of microsporangium, pollen grains, megasporogenesis, double fertilisation, T. S of Ovary, Ovule, Male and Female reproductive system.

- Instructions:

1. Choose a specific cell organelle (e.g., mitochondria, chloroplast, Golgi apparatus).
2. Create a detailed diagram showing the organelle's structure and function.
3. Label the different components and provide a brief explanation of each.

- Submission: Diagrams should be drawn neatly and labeled clearly.

Assignment 3: Case Study Analysis

- Topic: Analyze a case study on a genetic disorder or a disease related to cellular biology.

- Instructions:

1. Choose a specific genetic disorder or disease (e.g., sickle cell anemia, Huntington's disease).
2. Research the causes, symptoms, and treatment options for the disorder.
3. Write a case study analysis discussing the genetic and cellular aspects of the disorder.

- Submission: Case study analyses should be submitted in a written format (e.g., Word document, PDF).

Assignment 4: Model Making

- Topic: Create a 3D model of a biological molecule or structure.

- Instructions:

1. Choose a specific biological molecule or structure (e.g., DNA, protein, cell membrane).
2. Create a 3D model using various materials (e.g., clay, cardboard, 3D printing).

3. Label the different components and provide a brief explanation of the structure's function.

- Submission: Models should be photographed or scanned and submitted

Physical Education

Revise chapter

Unit 1 management of sporting event

unit 3 Yoga as preventive Measures for lifestyle Disease

Unit 6 Test and measurement

Summer Vacation Home Work

Class – XII (Computer Science)

1. Revise chapters- Review Tour XI, Mysql & Data File Handling
2. Do all question of previous year question papers (2022-2025) on the practice copy (Chapterwise)
3. Make the synopsis of your project.

Class – XII (Artificial Intelligence)

1. Revise all chapters of employability skills , Capstone project – subject skill
2. Complete CBSE logbook for your project
3. Attend students bootcamps for AI.

PSYCHOLOGY
CLASS XII
SUMMER HOLIDAY HOMEWORK

1. CASE PROFILE

- ✓ Select an individual on whom you would Develop a case profile.
- ✓ Collect data using appropriate methods like interview, observation and psychological tests.

2. INTERNSHIP

- ✓ Join an internship program of psychology and write a detailed report of your experience each day.

OR

Gather information about some institutions you know which offer psychiatric/psychotherapeutic help and write a detailed report on the same.

3. EXAM PREPARATION

- ✓ Solve at least five previous years board papers for the syllabus of Unit Test1.

PRESCRIBED BOOKS

- Psychology, Class XI, Published by NCERT
- Psychology, Class XII, Published by NCERT

1. राग भैरव का परिचय, विशेषता, विलंबित एवं मध्य ख्याल की स्वरलिपि आलाप तान सहित लिखिए।
2. राग भैरव के धमार की स्वरलिपि लिखिए।
3. राग बागेश्री का परिचय, विशेषता, मध्य लय की स्वरलिपि आलाप तान सहित लिखिए।
4. राग मालकोश का परिचय, विशेषता मध्य लय की स्वरलिपि आलाप तान सहित लिखिए।
5. राग मालकोश में तराने की स्वरलिपि लिखिए।
6. रूपक, धमार और झप ताल का परिचय लिखते हुए उसकी ठाह, दुगुन, तिगुन व चौगुन लिखिए।
7. तानपुरा का चित्र बनाकर उसके अंगों को लेबल कीजिए।
8. किसी भी वर्तमान कालीन ख्याल गायक का जीवन परिचय व संगीतिक योगदान लिखिए।

HOLIDAY HW CLASS12 FINE ARTS

Revise the P.T 1 SYLLABUS :

Chapter 1-The Origin and the Development of Miniature Painting in India

Chapter 2-Six Limbs of Indian Painting and The Rajasthani school of Miniature Painting

Chapter 3-The Pahari School of Miniature Painting

GEOGRAPHY HOLIDAY HOMEWORK

SESSION 2025-26

CLASS 12

IN A PRACTICAL FILE DO THESE CHAPTER AS EXPLAINED IN HE CLASS

Book- Geography Practical II

Chapter No.	Chapter Name
1	Data-its source and Compilation
2	Data Processing
3	Graphical representation of Data
4	Spatial Information Technology