



# KIIT WORLD SCHOOL

PITAMPURA, DELHI

## Summer HOLIDAYS' HOMEWORK

Hope your summer is filled with **reading, writing,**  
and most of all...**fun!**

### Class XII



**Kindly note: You are requested to submit your Holidays homework on 24 June 2024 between 8:00 am -1:00 pm to your respective CTs in school.**

**Class XII. Session 2024 - 25**

**Theme: Technology and Society : Navigating the Digital Age with Responsibility**

**English**

**As mandated by CBSE, the students have to prepare the following activities and a project for the internal assessment.**

**1. Art Integration Activities**

**Theme - Technology and Society : Navigating the Digital Age with Responsibility**

**Prepare and submit two activities where you integrate art with your subject (any topic/chapter/concept).**

**You can choose any two of the following activities and prepare your presentations:-**

- 1. Posters**
- 2. Brochures**
- 3. Scrapbooks**
- 4. Collages**
- 5. Storyboards**
- 6. Caricatures**
- 7. Doodle art**
- 8. Painting/ Drawing**

**Be creative and innovative in the presentation of your ideas.**

**2. Project Work**

**Theme – The Resilience of Human Spirit**

**Topics Covered:**

- 1. The Last Lesson**
- 2. Lost Spring**
- 3. Deep Water**
- 4. Keeping Quiet**
- 5. Indigo**
- 6. The Enemy**
- 7. The Third Level**
- 8. The Tiger King**
- 9. Journey to the end of the Earth**
- 10. The Rattrap**

Date of Submission: June 24, 2024

**INSTRUCTIONS**

1. The project report must include the following:

- a) Cover Page
- b) Dedication
- c) Acknowledgement
- d) Certificate
- e) Index
- f) Aim/Objective
- g) Material/Resources required
- h) Hypothesis
- i) Methodology/Procedure
- j) Observations
- k) Inferences
- l) Conclusion
- m) Application
- n) Future Scope
- o) Log table
- p) References/ Bibliography

2. Any type of A4 size sheets can be used to prepare the project. The word limit is 800 to 1000 words.

3. Relevant pictures, graphical representation and questionnaires must be a part of the project.

4. The Project must have a log table recording your weekly progress.

5. The project must be hand-written in a beautiful and cursive handwriting. You must take care of the aesthetics and presentation of the project keeping in mind the margins and proper spacing/indentation.

6. The project can be spiral-bound or filed neatly in a folder.

Mathematics

**TASK 1: MODEL MAKING**

Roll no.1-15

Project 1: To explore the principal value of the function  $\sin^{-1}(x)$  using a unit circle.

Procedure:

- 1. Take a cardboard of a convenient size and paste a white chart paper on it.
- 2. Draw a unit circle with center O on it.

3. Through the center of the circle, draw two perpendicular lines  $X'OX$  and  $YOY'$  representing the x-axis and y-axis, respectively.
4. Mark the points A, C, B, and D, where the circle cuts the x-axis and y-axis, respectively.
5. Fix two rails on opposite sides of the cardboard which are parallel to the y-axis. Fix one steel wire between the rails such that the wire can be moved parallel to the x-axis.
6. Take a needle of unit length. Fix one end of it at the center of the circle and the other end to move freely along the circle.

Roll no.16-30

Project 2: To measure the shortest distance between two skew lines and verify it analytically.

Procedure:

1. Paste a square piece of paper on a piece of plywood.
2. On the squared paper, draw two lines OA and OB to represent the x-axis, and y-axis, respectively.
3. Name the three blocks of size  $2\text{ cm} \times 2\text{ cm} \times 2\text{ cm}$  as I, II, and III. Name the other wooden block of size  $2\text{ cm} \times 2\text{ cm} \times 4\text{ cm}$  as IV.
4. Place blocks I, II, and III such that their base centers are at the points (2, 2), (1, 6), and (7, 6), respectively, and block IV with its base center at (6, 2). Other wooden blocks of size  $2\text{ cm} \times 2\text{ cm} \times 4\text{ cm}$  as IV
5. Place a wire joining the points P and Q, the centers of the bases of blocks I and III, and another wire joining the centers R and S of the tops of blocks II and IV
6. These two wires represent two skew lines.
7. Take a wire join it perpendicularly with the skew lines and measure the actual distance.

Roll no 30 onwards

Project 3

Students have to prepare a 3D plane using cardboard and plotting numbers to represent the position of any vector in any direction and a movable standing object representing a vector.

[https://www.youtube.com/watch?v=mrZjyGWLrM&ab\\_channel=Let%27sthinkdifferent](https://www.youtube.com/watch?v=mrZjyGWLrM&ab_channel=Let%27sthinkdifferent)

## TASK 2

Students have to prepare a PPT on the following topics linking with a case study based on Technology and Society: Navigating the Digital Age with Responsibility.

SLIDE 1 Introduction

SLIDE 2 Index

SLIDE 3-5 Content and its explanation

SLIDE 6-7 Questions related to it

SLIDE 8-10 Case Study Linking with Technology and Society: Navigating the Digital Age with

Responsibility.

NOTE: PPT should not be more than 12 slides.

### TOPICS

QC1 (Probability) and (linear programming)

QC2 (3-dimensional geometry)

QC 3(Continuity and differentiability)

QC 4(Applications of Derivatives)

QC 5( Applications of integral)

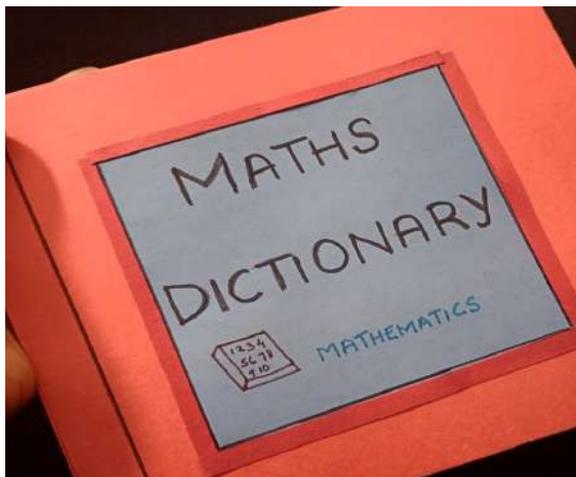
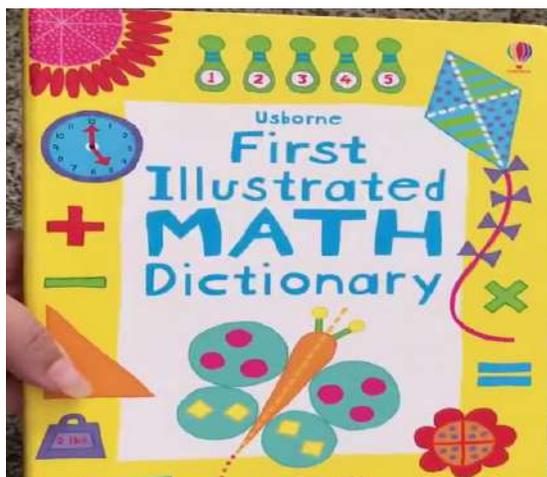
QC6 Vectors and 3d geometry

QC 7 Integrals

QC 8 Relations and functions

### TASK 3

Make a creative formula dictionary based on all the formulas that need to be used in Mathematics.



### TASK 4

Solve the given worksheet for practice in the Mathematics notebook.

<https://drive.google.com/drive/u/1/folders/1qItSNeQDumjtEHR9RgUa-pizyWTF2uSb>

Solve both sets of PA 1 Examinations.

### Biology

#### TASK 1: Investigatory Project

Prepare an investigatory project of biology which should be experiment based. It should be a research-based project where every aspect of the topic selected should be discussed in terms of biology. The project should have the following key aspects:

- Cover Page
- Index

- Certificate
- Acknowledgement
- Why was this selected? (Relation to daily life)
- Introduction
- Details of the project (Research related to the topic)
- Experiment (Detailed manner including procedure)
- Observations
- Analysis and data interpretation
- Result
- Bibliography (Mention the links)

Project should be aesthetically prepared. No print out of content is allowed, only data or pictures can be printed.

**IT HAS TO BE APPROVED FIRST.** (REFER TO GUIDELINES IN CBSE CURRICULUM)

#### TASK 2: INFOGRAPHIC

Prepare an infographic on A2 size sheet on the assigned topics.

- The infographic should have the title in bold and clear format.
- The information should be concise and relevant.
- Use graphic organizers for representing your data.
- Add suitable pictures.

Refer to the given link for the topics

<https://classroom.google.com/c/NjYwMjMwMjk4ODE2/m/Njc5NTk0ODYwNTA0/details>

#### TASK 3

a) Attempt PA1 in the notebook. All assignments **MUST BE COMPLETED** till the concepts covered so far.

b) Practice for diagrams related to the first three chapters.

c) Complete notebook and practical file till the topic is covered.

d). Attempt all the given worksheets and question bank in your biology notebook which includes MCQ and competency based questions.

#### Computer Science

##### 1. Research paper on the theme "TECHNOLOGY AND SOCIETY"

Students will create a research paper on an A4 size sheet, on a specific aspect of technology and its impact on society. They can include topics like social media addiction, online privacy concerns, the influence of technology on mental health, etc. They are supposed to include both positive and negative effects of technology and propose solutions for responsible digital citizenship.

## 2. Movie making on the theme “TECHNOLOGY AND SOCIETY”

Students are required to build a movie for not more than 5 minutes on any software on the above topic. Plagiarism is strictly prohibited.

The movie should include an introduction to the digital world, the dark sides of technology, empowering through knowledge, the creation of digital communities, etc.

The movie should be uploaded on the below link:

<https://drive.google.com/drive/folders/1QpCvUYntssULLLAqv-hs4YYIO0FC0Q8O?usp=sharing>

## 3. Submission of SQL practical file for which the questions are attached on the below link:

Questions:

[https://docs.google.com/document/d/1HF24ul6T-Sew0iciVNMYf-LNYS0hd\\_lp/edit?usp=sharing&oid=110418210133429686824&rtpof=true&sd=true](https://docs.google.com/document/d/1HF24ul6T-Sew0iciVNMYf-LNYS0hd_lp/edit?usp=sharing&oid=110418210133429686824&rtpof=true&sd=true)

Submission:

- Both hardcopy and softcopy.
- Hardcopy needs to be given at the time of submission
- Create a folder by your name and upload the softcopy of the file in it

[https://drive.google.com/drive/folders/1rFAzi4IEFlhSLsVzjmPmKPkZ\\_iqz-IDG?usp=sharing](https://drive.google.com/drive/folders/1rFAzi4IEFlhSLsVzjmPmKPkZ_iqz-IDG?usp=sharing)

## 4. Submission of Project file on the topic already submitted as a softcopy on the below link.

Hardcopy needs to be submitted at the time of submission

[https://drive.google.com/drive/folders/1V3543Kw\\_k\\_4rsUBxuEpfIM6QSS5aRB-d?usp=sharing](https://drive.google.com/drive/folders/1V3543Kw_k_4rsUBxuEpfIM6QSS5aRB-d?usp=sharing)

## Chemistry

### TASK 1: Investigatory Project

Prepare an investigatory project of chemistry which should be experiment based. It should be a research-based project where every aspect of the topic selected should be discussed in terms of chemistry. The project should have the following key aspects:

- Cover Page
- Index
- Certificate
- Acknowledgement
- Why was this selected? (Relation to daily life)
- Introduction
- Details of the project (Research related to the topic)
- Experiment (Detailed manner including procedure)
- Observations
- Analysis and data interpretation
- Result
- Bibliography (Mention the links)

Project should be aesthetically prepared. No print out of content is allowed, only data or pictures can be printed.

**IT HAS TO BE APPROVED FIRST.** (REFER TO GUIDELINES IN CBSE CURRICULUM)

## TASK 2: ORGANIC CORE PRACTICE

I. Practice for the following topics in chemistry notebook:

- a) Nomenclature ( 30 organic compounds)
- b) Mechanisms learnt so far in organic.
- c) Minimum 15 pairs of compounds for distinguishing between covering all the chemical tests (Hinsberg, Lucas, Carbylamine, Iodoform, 2,4-DNP , Neutral FeCl<sub>3</sub> test, bromine water test, Tollens' Test, Fehling Test etc- those done so far)
- d) Word problems (minimum 10)

II. Attempt both sets of PT1 in notebook. All assignments **MUST BE COMPLETED** till the concepts covered so far. (Question papers are already posted on classwall)

Link for Question Papers:

<https://classroom.google.com/c/NjYwMjMwMjk4ODE2/m/NjgzNDI1NDQ0MjAz/details>

III. Attempt all the given CBSE board questions in your notebook. Refer to the link given below.

Link for Board Target questions:

<https://classroom.google.com/c/NjYwMjMwMjk4ODE2/m/NjgzNDI2MzkyMDcz/details>

**TASK 3: "ChemARTistry: Exploring Creativity through Art Integration and Chemistry Fun"**

Roll no slot	Activity
1-22	<p>Wall Hanging on products of aldol and Cannizzaro reaction (Both cross and self)</p> <p>Select different reactions showing aldol (both self and cross) and Cannizzaro reaction. Using those reactions, create a wall hanging. Be creative in depicting it in a different manner.</p>
23-45	<p>Art Integration: Flip book depicting applications of five organic compounds</p> <p>Organic compounds are present in every domain of life. Select at least five such compounds and create a pictorial flip book showing its importance in our daily life. Refrain from using very commonly used organic compounds.</p>

## Physics

### TASK 1: INVESTIGATORY PROJECT

Prepare a project of physics which should be research or experiment based (Working project),

where every aspect of the topic selected should be discussed. The project should have the following key aspects:

- Cover page with title, name and class
- Certificate
- Acknowledgement
- Index
- Why was the topic selected? (Real life connect)
- Introduction
- Details of the project with components used
- Experiment/ procedure
- Observations/ Observation table
- Analysis/ Conclusion
- Result
- Future scope
- Bibliography (mention the links)

Project should be aesthetically prepared. Print out of the content is not allowed, only data or pictures can be printed and the same has to be approved first. Project should be on A-4 size plain sheets and the limit of the project is 15-20 pages.

**IT HAS TO BE FIRST APPROVED. (REFER TO GUIDELINES IN CBSE CURRICULUM)**

## TASK 2: NEWSLETTER/ RESEARCH PAPER

Create a newsletter/ research paper on A3 size sheet with the theme "Physics Perspectives on Technology and Society: Navigating the Digital Age with Responsibility".

**Objective:** To explore the role of physics principles in understanding and addressing societal challenges related to technology use, with a focus on promoting responsible and ethical practices.

Cover the following pointers in the newsletter/ research paper:

### 1. Research and explain the fundamental physics principle such as:

- Principles of electromagnetism and circuit theory in electronics
- Quantum mechanics and its applications in quantum computing.

Discuss how advancements in these areas have enabled the development of digital technologies and revolutionized communication, computation, and data storage.

### 2. Energy Consumption of Digital Technologies:

Investigate the energy consumption associated with various digital technologies, including:

- Power consumption of electronic devices (e.g., smartphones, computers, servers). (**Provide data for the same**).
- Energy requirements for data centers and cloud computing

### 3. Ethical Considerations and Social Responsibility:

- Discuss ethical considerations related to the development, deployment, and regulation of emerging technologies, such as artificial intelligence, biotechnology, and nanotechnology.

**“ Newsletters should be aesthetically prepared with colorful pictures, data and relevant information”.**



## TASK 3: CONCEPT PRACTICE

a) Attempt both sets of PA1 in the notebook. All assignments **MUST BE COMPLETED** till the

concepts covered so far.

b) Practice for the following topics in physics notebook

- Numericals on Gauss law and electric potential and capacitance( 15 numericals each)
- Concept of current electricity- Resistance, resistivity, conductivity, Potential difference, EMF, Krichoff's law and Meter bridge.( Definitions, formulas and relations)

c) Complete notebook and practical file till the topic is covered.

d). Attempt all the given worksheet and question bank in your physics notebook which includes MCQ and competency based questions.

<https://classroom.google.com/c/NjYwMjMwMjk4ODE2/m/NjkyMzUxMjEwNzEx/details>

## Psychology

### TASK 1 CBSE PRACTICAL

Prepare a practical file with the following guidelines:-

1. Practical file should be prepared by students.
2. It should be a handwritten psychological test in a practical file.
3. Practical file should include 5 experiments written in proper sequence.
4. Practical file should include experiments on following topics:-

#### 1 .INTELLIGENCE -

- Raven's Progressive Matrices
- Wechsler Intelligence Scale for Children

2.. APTITUDE – Stroop test- attention, Beck anxiety scale (BAI)

3. ATTITUDE – Social conformity scale Neo5

4. PERSONALITY – The Children's personality questionnaire

5. Content documents of all 5 experiments are shared with you on the classroom wall with detailed explanations and important essentials.

<https://classroom.google.com/c/NjYwMjMwMjk4ODE2/a/NjkyNDY2MzY4NDcy/details>

6. Attaching the annexures of your subject response is compulsory.

### TASK 2 CASE PROFILE

1. All the students have to prepare a case profile on different psychological disorders mentioned in your book. You can take an idea from chapter 4 PSYCHOLOGICAL DISORDERS.

[https://docs.google.com/document/d/1Xxa2nZpNReU5D2CihgM5N\\_gHkXpJhx10-lcej8ECinQ/edit?usp=sharing](https://docs.google.com/document/d/1Xxa2nZpNReU5D2CihgM5N_gHkXpJhx10-lcej8ECinQ/edit?usp=sharing)

### Task 3 Review

2. 1. Prepare a review of all the chapters of your book including all the key topics of the chapter on A4 size sheets and prepare a file of it.

- Name of the chapter
- Aim
- Objective
- Abstract
- Content
- Observation
- Conclusion

#### **TASK 4 MODEL**

Prepare a model on the following topic :-

1. Intelligence
2. Personality
3. Psychological disorder
4. Therapeutic approaches
5. Psychological skills
6. Social influence

#### **TASK 5 ART INTEGRATION**

1. Prepare an art piece to facilitate art therapy to treat the psychological disorder as mindful involvement of overcoming the disorder.

- Libban art
- Mandala art
- Mosaic art
- Sketching
- Painting

2. Use ivory sheets and MDF boards to create your art piece.

3. Write a report on the art therapy you have used to treat psychology with step integration. Also illustrate the meaning and aim of that therapy.

4. Do this report writing on A4 size sheets in a file.

- COVER YOUR PRACTICAL FILE WITH WHITE PAPER, AND PREPARE AN ATTRACTIVE INTRODUCTORY PLACE.
- DO MAINTAIN INDEX FOR EXPERIMENTS.

**NOTE:-** Do all the project and case questions creativity and innovatively using your incredible thoughts and ideas.

#### **Accountancy**

##### **1. Practical file on specific project**

**Topic : Analysis of financial statement of a company**

**Use any two tools of analysis out of the following four tools:**

1. Accounting Ratio
2. Cash flow statement

3. Comparative and common size statement and balance sheet
4. Segment reporting

Note :

- (a) Old data will not be used. Use financial data of accounting year 2022-23 and 2023-24 only. Files with old data will be rejected. So don't try to copy from google, you tube etc. It must be your own experience and creativity.
- (b) Files without bar graph will not be accepted. Must prepare Bar graph for accounting ratio and cash flow.
- (c) Good quality pages must be used.
- (d) Cash flow must be handwritten. Printout is not acceptable. only two printouts are allowed (Position statement and Income statement)

**Arrangement of pages of accountancy project file**

To put in simple words, the pages of an Accountancy Project File with Ratio Analysis and Cash Flow Analysis should be arranged in the following order:

1. Cover Page 2. Inner Title Page 3. Acknowledgement 4. Certificate by teacher 5. Certificate by student 6. Index 7. Company Profile 8. Ratio, Ratio Analysis, uses, limitations, categories with meaning and names of different ratios. 9. Problem, subject matter of project (as explained in class). 10. Printed Balance Sheet and statement of profit and loss of the company. 11. Analytical tools used, planning and execution. 12. Chart showing different ratios with formula and calculations. 13. Conclusion on the basis of these ratios individually or/and collectively. 14. Also show bar diagrams depicting these Ratios of previous year as well as current year. 15. Cash Flow Statement - Meaning, cash and cash equivalents, types of activities with meaning and examples of each. 16. Handwritten cash flow statement. 17. Summary of cash flows (as explained in class) 18. Presentation in the form of bar diagram 19. Conclusion about the project experience and about company's performance with the help of ratio and cash flow 20. Bibliography

## **2. ART INTEGRATION WORK**

**XII CURIOUS**

**Roll no 1-10 Issue of shares - PPT (8 to 10 slides)**

**Roll no 11-20 Issue of debentures - FLOW CHART**

**Roll no 21-30 Partnership ( ch 1 fundamentals) - Create a comic of 5 to 10 pages**

**Roll no 31-40 Partnership ( ch 2 Goodwill) - Wall hanging**

Roll no 41-50 Partnership ( ch 3 Change in profit sharing ratio) - Pantomime

Roll no 51-53 Partnership ( ch 4 Admission of a partner) - V log

## XII CARING

Roll no 1-5 Issue of shares - PPT (8 to 10 slides)

Roll no 6-10 Issue of debentures - FLOW CHART

Roll no 11-15 Partnership ( ch 1 fundamentals) - Create a comic of 5 to 10 pages

Roll no 31-40 Partnership ( ch 2 Goodwill) - Wall hanging

Roll no 41-50 Partnership ( ch 3 Change in profit sharing ratio) - Pantomime

Roll no 51-53 Partnership ( ch 4 Admission of a partner) - V log

## 3. Assignment

<https://ncert.nic.in/textbook.php?leac2=3-6>

<https://ncert.nic.in/textbook.php?leac2=4-6>

<https://ncert.nic.in/textbook.php?leac2=5-6>

<https://ncert.nic.in/textbook.php?leac2=6-6>

Solve all questions given at the end of these chapters from NCERT

- Financial statement of a company
- Analysis of financial statement
- Accounting Ratio
- Cash flow statement

And

Assignments of classroom wall

## XII Caring

<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/NjcxOTY0NzQxNTEy/details>

<https://classroom.google.com/w/NjYwMjMwMTg4MDky/t/all>

## XII Curious

<https://classroom.google.com/c/NjYwMjMwMjc2NzMy/a/Njg0MTkyOTgzMzA4/details>

Previous years' CBSE EXAM questions from scanner of TS Grewal book for PART B

Business Studies

**ASSIGNMENT (PREVIOUS YEAR'S CBSE QUESTION CHAPTER WISE ) :- LINK FOR ASSIGNMENT FOR HOLIDAYS HOMEWORK**

**XII CURIOUS :-**

<https://classroom.google.com/c/NjYwMjMwMjczNzMy/a/Njc5MjM3MzgZNTcz/details>

**XII CARING :-**

<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/Njc5MjM2MzMxMzE1/details>

**PROJECT WORK : PFA Link of Instructions for Project work Business Studies class XII (I am sharing few samples of project work from last years work so treat them as minimum parameter )**

**Summer Job:-**

**XII CURIOUS :-**

<https://classroom.google.com/w/NjYwMjMwMjczNzMy/tc/NjYwNzA5MTgyODQ5>

**XII CARING :-**

<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/Njc5MTY5NjcxMjYz/details>

**SUMMER JOB :-**

**Title: Exploring Career Paths**

**Objective: To gain practical experience and insight into a chosen career field during the summer vacation.**

**Task: Choose and enroll in a summer job or internship related to your interest field. The options include but are not limited to roles such as Chartered Accountant (CA), Auditor,**

Lawyer, Entrepreneur, Transportation, Communication, Insurance, etc.

**Requirements:**

1. **Selection of Summer Job:** Research and select a summer job or internship opportunity in your desired field of interest. Ensure that the role aligns with your career aspirations and provides valuable learning experiences.
2. **Enrollment:** Contact the organization or company offering the summer job and enroll as an intern or trainee for the specified duration.
3. **Duration:** The summer job should last for a minimum period of [insert duration] weeks, as specified by the organization. Ensure to adhere to the designated schedule and work hours.
4. **Skills Learned:** During the summer job, actively engage in tasks and responsibilities assigned to you. Learn and develop essential skills relevant to your chosen career field, such as problem-solving, communication, teamwork, leadership, technical skills, etc.
5. **Stipend:** Record and document the amount of stipend or remuneration received for your work during the summer job. Ensure to maintain accurate records of the stipend received.
6. **Certificate Submission:** Upon completion of the summer job, obtain a certificate or letter of completion from the organization. The certificate should include the following details:
  - Name of the organization/company
  - Duration of the summer job (start and end date)
  - Skills learned or tasks performed during the internship
  - Amount of stipend received
  - Attestation: The certificate should be duly attested by the owner or any authorized person from the organization.

**Economics**

**Project work**

The objectives of the project work are to enable learners to:

- probe deeper into theoretical concepts learnt in classes XI and XII
- analyze and evaluate real world economic scenarios using theoretical constructs and arguments
- demonstrate the learning of economic theory
- follow up aspects of economics in which learners have interest
- develop the communication skills to argue logically

The expectations of the project work are that:

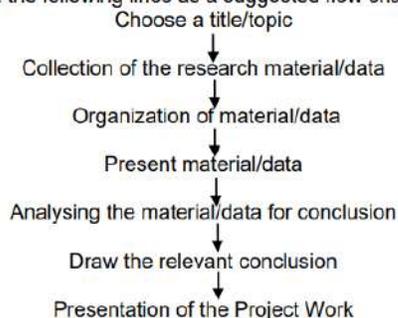
- learners will complete only ONE project in each academic session
- project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably

**hand-written**

- it will be an independent, self-directed piece of study

**Scope of the project:**

Learners may work upon the following lines as a suggested flow chart:



Class XII	
• Micro and Small Scale Industries	• Food Supply Channel in India
• Contemporary Employment situation in India	• Disinvestment policy of the government
• Goods and Services Tax Act and its Impact on GDP	• Health Expenditure (of any state)
• Human Development Index	• Inclusive Growth Strategy
• Self-help group	• Trends in Credit availability in India
• Monetary Policy Committee and its functions	• Role of RBI in Control of Credit
• Government Budget & its Components	• Trends in budgetary condition of India
• Exchange Rate determination – Methods and Techniques	• Currency War – reasons and repercussions
• Livestock – Backbone of Rural India	• Alternate fuel – types and importance
• Sarva Shiksha Abhiyan – Cost Ratio Benefits	• Golden Quadrilateral- Cost ratio benefit
• Minimum Support Prices	• Relation between Stock Price Index and Economic Health of a Nation
• Waste Management in India – Need of the hour	• Minimum Wage Rate – Approach and Application
• Digital India- Step towards the future	• Rain Water Harvesting – A solution to water crisis
• Vertical Farming – An alternate way	• Silk Route- Revival of the past
• Make in India – The way ahead	• Bumper Production- Boon or Bane for the farmer
• Rise of Concrete Jungle- Trend Analysis	• Organic Farming – Back to the Nature
• Aatmanirbhar Bharat	• e-Rupee (e- ₹)
• Sri Lanka's Economic Crisis	• Sustainable Development Goals (SDG's)
• Environmental Crisis	• Comparative Study of Economies (Maximum three economies)
• New Education Policy (NEP) 2020: A Promise for a New Education System	• G-20: Inclusive and Action Oriented
• Amrit Kaal: Empowered and Inclusive Economy	• Cashless Economy
• Any other newspaper article and its evaluation on basis of economic principles	• Any other topic

**Art integrated activity**

**Government budget : prepare highlights of this year's budget**

**Money and banking : crossword**

**Indian economy on the eve of independence: collage making**

**Indian economy(1950-1990) : graphic organizer**

**New economic reforms : comic story**

**Assignment**

**Class 12 curious**

<https://classroom.google.com/c/NjYwMjMwMjczNzMy/a/NjkyNDU3OTQ3OTM1/details>

<https://classroom.google.com/c/NjYwMjMwMjczNzMy/a/Njc5OTIyNjEzNTg2/details>  
<https://classroom.google.com/c/NjYwMjMwMjczNzMy/a/Njc5ODc3NjQ5NTY0/details>

Class 12 caring

<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/Njc5OTczNjQzNjAw/details>  
<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/NjkyMjQ1NjUxOTkz/details>  
<https://classroom.google.com/c/NjYwMjMwMTg4MDky/a/Njg0NTg5ODk5NjUz/details>

Class 12 connected

<https://classroom.google.com/c/NjYwMjMwMjY5MjUy/a/Njc5OTczNjQzNTk2/details>  
<https://classroom.google.com/c/NjYwMjMwMjY5MjUy/a/NjkyMjQ1NjUxOTk3/details>  
<https://classroom.google.com/c/NjYwMjMwMjY5MjUy/a/Njg0NTg5ODk5NjU5/details>

**Activity:** Read THE ECONOMIC TIMES daily and write at least 5 news daily in a notebook and write an article(including pictures and graphs) “digitalisation and Indian economy” in your own words.

**PREPARE** a model/wall hanging on the following:

ROLL NO.	TOPIC
1-10	circular flow of income
11-20	income method of calculating national income
20-30	expenditure method of calculating national income
30-40	value added method of calculating national income
40-50	limitation of GDP as an indicator of economic welfare

Informatics Practices

1. Movie making on the theme “TECHNOLOGY AND SOCIETY”

Students are required to build a movie for not more than 5 minutes on any software on the above topic. Plagiarism is strictly prohibited.

The movie should include an introduction to the digital world, the dark sides of technology, empowerment through knowledge, the creation of digital communities, etc.

The movie should be submitted on below link:

<https://drive.google.com/drive/folders/1QpCvUYntssULLLAqv-hs4YYIO0FC0Q8O?usp=sharing>

2. Submission of SQL practical file: (Attempt in SQL, take the screenshot)

SQL COMMANDS EXERCISE – 1

**(Basic Queries – I)**

**AIM:** To write Queries for the following Questions based on the given table:

Empld	Name	Gender	Age	Dept	DOJ	Salary	City
1	Praveen	M	25	Sales	1989-06-08	20000	Chennai
2	Arun	M	29	Marketing	1989-09-26	22000	Chennai
3	Usha	F	27	Finance	1994-08-09	25000	Bangalore
4	Bala	M	31	Sales	1990-03-23	27000	NULL
5	Rani	F	28	Marketing	1990-04-23	27000	Mumbai
6	Nisha	F	26	NULL	1991-02-24	18000	Bangalore
7	Manoj	M	32	Finance	1982-05-06	30000	Goa

- (a) Write a Query to Create a new database in the name of "EMPS".
- (b) Write a Query to Open the database EMPS.
- (c) Write a Query to create the above table called: Info
- (d) Write a Query to insert all the rows of above table into Info table.
- (e) Write a Query to display all the details of the Employees from the above table (show the output)

**SQL COMMANDS EXERCISE – 2**

**(Basic Queries – II)**

**AIM:**

To write Queries for the following Questions based on the given table:

Empld	Name	Gender	Age	Dept	DOJ	Salary	City
1	Praveen	M	25	Sales	1989-06-08	20000	Chennai

2	Arun	M	29	Marketing	1989-09-26	22000	Chennai
3	Usha	F	27	Finance	1994-08-09	25000	Bangalore
4	Bala	M	31	Sales	1990-03-23	27000	NULL
5	Rani	F	28	Marketing	1990-04-23	27000	Mumbai
6	Nisha	F	26	NULL	1991-02-24	18000	Bangalore
7	Manoj	M	32	Finance	1982-05-06	30000	Goa

- (a) Write a Query to Display Employees' name and City from the above table.
- (b) Write a Query to Display all details of Employees who are living in Chennai
- (c) Write a Query to get the name and salary of the employee whose salary is above 15000 and gender is not male.
- (d) Write a query to update increase 10% Salary of an employee whose City is 'CHENNAI' and Gender is 'MALE'.
- (e) Write a Query to delete the details of Employee Id 6.  
(Show the output after each query)

### SQL COMMANDS EXERCISE – 3

(Aggregate Functions, Order By Group By, Having Clause)

**AIM:** To write Queries for the following Questions based on the given table:

Empld	Name	Gender	Age	Dept	DOJ	Salary	City
1	Praveen	M	25	Sales	1989-06-08	20000	Chennai
2	Arun	M	29	Marketing	1989-09-26	22000	Chennai
3	Usha	F	27	Finance	1994-08-09	25000	Bangalore
4	Bala	M	31	Sales	1990-03-23	27000	NULL
5	Rani	F	28	Marketing	1990-04-23	27000	Mumbai

6	Nisha	F	26	NULL	1991-02-24	18000	Bangalore
7	Manoj	M	32	Finance	1982-05-06	30000	Goa

- (a) Write a Query to list names of Employees in Descending order.
- (b) Write a Query to find a total salary of all employees
- (c) Write a Query to display maximum salary and minimum salary of employees.
- (d) Write a Query to count the number of employees earning more than 25000.
- (e) Write a query to display sum of salary of the employees grouped by department wise.
- (f) Write a query to display the department names where number of employees are greater than or equal to 2

## Political Science

### Task 1: CBSE Project Work

Political Science as a field of study in senior secondary classes enables students to get an exposure to political activities and processes that they are exposed to in everyday life. CBSE has therefore incorporated project work in Political Science to enable students to extend their interest beyond textbooks and provide them with a platform to gather information, value the decisions made to shape the community and visualize future course of action to be taken to ensure healthy democracy.

Make a project of about 25-30 pages for CBSE assessment. The project should be prepared according to the CBSE guidelines. The project should include the following sections:.

1. Cover page- Displaying the topic.
2. Acknowledgement – Thanking the people or institution that has helped you in the completion of the project.
3. Certificate- Mentioning your name and the name of teacher under whose supervision you have completed your work.
4. Index- Giving the list of contents with page numbers.
5. Introduction- Giving the purpose and importance of a study.
6. Chapters- Give a title to each chapter along with details and pictures.
7. Conclusion/ Reflection- What do you learn from your study?
8. Bibliography- Showing the sources from where you have gathered information.

### Task 2: Assignment

Complete the assignment in the given link in your notebook.

<https://docs.google.com/document/d/1HslNRevYNCpjxI5qrRScn95N8x1njxVunSvEHgYxPyM/edit?usp=drivesdk>

### **Task-3 Model Making**

**1. International Relations Model (Roll no.1-6):** Design a globe with cardboard cutouts of countries, flags, and landmarks to visualize diplomatic relationships, alliances, and conflicts between nations. Add movable arrows or strings to depict trade routes or migration patterns.

**2. Political Ideologies Model: (Roll no.7 to 12)** Create a series of cardboard posters or dioramas representing various political ideologies (e.g., democracy, socialism, fascism) with key principles, historical figures, and symbols depicted in each model.

**3. United Nations Headquarters: Unity in Diversity":(Roll no.13 to 18)** Cut a large rectangular cardboard piece for the base. Create a 3D UN headquarters using folded cardboard. Make mini flags of member states on toothpicks. Label assembly rooms with markers. Decorate with paint or stickers.

**4. Miniature Model of Niti Ayog:( Roll no.19 to 24)** Cut out a cardboard base. **Building:** Construct the main building using cardboard or foam board. **Windows/Doors:** Add windows and doors with colored paper or markers. **Details:** Enhance with architectural features. **Landscaping:** Create surroundings with paper or fabric. **People/Vehicles:** Place miniature figures and vehicles. **Labels:** Optionally add signs for different sections.

**5 Miniature Marvel of Ram Mandir:(Roll no.25 to 31)** Cut out a rectangle from the paper. This will be the base of your model. **Pillars:** Roll small strips of paper into cylinders to create pillars. You can make as many as you like. **Domes:** Cut out small triangles from paper and fold them into cone shapes. These will be the domes. **Assembly:** Glue or tape the pillars onto the base evenly spaced apart. Then, attach the domes on top of each pillar. **Decorate (Optional):** Use markers or colored pencils to add designs and details to your model.

### **Task-4 Create a cartoon caricature booklet**

Prepare an innovative cartoon booklet of following chapters and add relevant details related to all cartoon caricature.

1. The End of Bipolarity
2. Alternative Centers of Power
3. Contemporary South Asia
4. International Organisation
5. Challenges in Nation Building

### **Task 5:MUN Simulation: Read,Learn and Prepare**

**1. Researching a specific country and its stance on global issues and prepare a report on it.**

**2. Writing a fact sheet paper on a topic relevant to the MUN conference.**

**3. Practicing public speaking by delivering a short speech on a given topic and record your voice.**

**4. Studying the rules of procedure used in MUN conferences.**

**5. Formulating resolutions and understanding the process of negotiation and consensus-building.**

**6. Creating a presentation or infographic explaining the structure and functions of the United Nations and its various committees.**

**7. Reflecting on their own strengths and areas for improvement in relation to MUN**

participation, setting personal goals for future conferences.

Watching videos of past MUN conferences or speeches by prominent diplomats to observe effective communication and negotiation techniques.
