

APEX PUBLIC SCHOOL, SANT NAGAR, DELHI

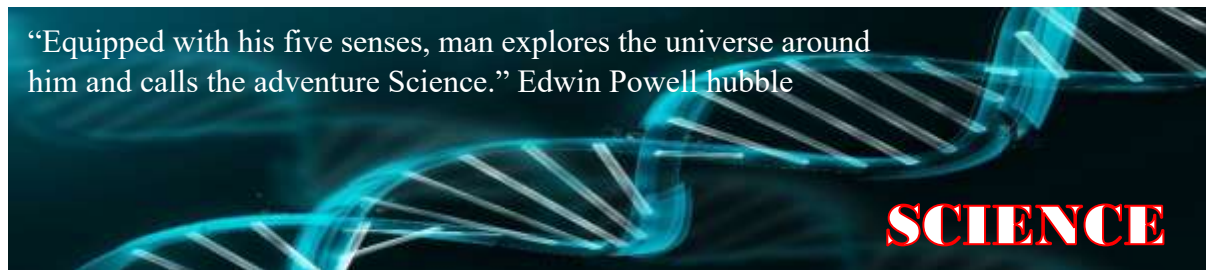
HOLIDAY HOMEWORK 2023-2024

CLASS XI

CBSE ART INTEGRATED LEARNING PROJECT WORK

PROJECT- Tourism Lakshadweep, Andaman and Nicobar Islands

DATE OF SUBMISSION: All the students will submit AIL project on 3rd July 2023



ENGLISH-

1. Let's Be a Writer

An autobiography is the story of a person's life written by the person itself in a chronological order. E.g. The Portrait of a Lady by Khushwant Singh

Write your own autobiography and focus on the important and interesting events in your life. Use ruled and coloured A-4 size sheets.

Points to remember:

- When and where were you born
- Your family
- Starting school

Your friends, hobbies and interests.

- New experiences and feelings related to various events in your life
- People who have influenced you
- Any memorable experience
- Think of a suitable title for your autobiography and add pictures to it.

- Remember to write it in the first person, in past tense and in chronological order. Looking forward to reading your life stories!!!
2. **Complete Notebook work.**
 3. **Paste a photo of ILE AMSTERDAM ISLAND in your notebook and describe the island in 100 words.**

PHYSICS

- ❖ Prepare a technical report formally written, including an abstract, some theoretical discussion, experimental set up, observation and data collected, analysis and discussion of the result, conclusion etc. the project can be a theoretical one as well on any of the topic related to physics.

You will be assessed on: a) Conceptual clarity /understanding b) Computations (if any)
c) Presentation (No extra credit shall be given for typed material)

You can work on any topic of your choice from the list given below or any topic related to the physics syllabus of class XI.

- 1) Role of physics in technology
- 2) Application of vectors and scalar quantities and its significant.
- 3) Rocket propulsion and application of Newton's ' Law
- 4) Simple Harmonic motion
- 5) Centre of mass and related topic.
- 6) Friction advantages , disadvantages in day to day life its law and application.
- 7) Bernoulli's principle and its application.
- 8) Pascal law
- 9) The story of Black Holes (origin, types, Event horizon telescope etc)

- ❖ Do all solved examples and exercise questions of Ch- "Units & Measurement" and Ch- "Motion in a Straight Line" in physics notebook.

CHEMISTRY

Prepare a report on the following topic: -

1. Waste of chemicals: Transforming wastes and residues to energy fuels and other useful chemicals.
2. Endangered elements: Managing the extraction, use, reuse, and alternative development for elements in the chemical enterprise that are facing critical supply risks.
3. Nobel laureates in chemistry (any 5): Their life and works
 - i. The report can be typewritten/handwritten with pictures.
 - ii. In case its typewritten use font size 14.
 - iii. Write only on one side of the sheet.
 - iv. Use A-4 coloured/white sheets.
4. Assignments to be done for the chapters taught (refer school website).

Revise chapter 1 and 2.

BIOLOGY

Learn answers of NCERT Text Book questions for Respiratory and Circulatory System Chapters.

Prepare informative slides on the following topics for Power Point Presentation.

- (a) Respiratory disorders (R. No 1-17)
- (b) Circulatory disorders (18 and above)

MATHEMATICS

Do the following exercises from NCERT EXEMPLAR:

- Sets (Ex.1.3)
- Relations and Functions (Ex. 2.3)
- Trigonometric Functions (Ex. 3.2 & 3.3)

COMPUTER SCIENCE (083) – XI - B

1. Execute the following program in system, save soft copy, take print out of these program with output and write in class notebook with output.
 - a. Write a python program that accepts radius of a circle and prints its area and circumference.
 - b. Write a python program that accepts marks in five subjects and outputs average marks.
 - c. Write a python program to find the area of a triangle.
 - d. Write a program to convert temperature in $^{\circ}\text{C}$ which is entered by user into $^{\circ}\text{F}$
 - e. Write a program to convert temperature in $^{\circ}\text{F}$ which is entered by user into $^{\circ}\text{C}$
 - f. Write a program to calculate simple interest where P, R and T will be entered by user.
 - g. Write a program to swap two numbers.
 - h. Write a program to read three numbers in three variables and swap first two variables with the sum of first and second, second and third numbers respectively.
2. Do all the assignment work in notebook which will be sent in group during holidays.

Practice all the questions that were taught in class.

SUBJECT - COMPUTER SCIENCE (PRACTICAL FILE) XI A

TOPIC - BASIC PYTHON CODES

NO. PRACTICAL

1	Write a python program to find average and grade for given marks.
2	Write a python program to find the sale price of an item with a given cost and discount (%).
3	Write a python program to calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle.
4	Write a program to calculate Simple and Compound interest.
5	Write a program to calculate profit-loss for a given Cost and Sell Price.
6	Write a program to calculate EMI for Amount, Period and Interest.
7	Write a program to check whether an year is leap year or not.
8	Write a program to find the largest number between two numbers.

- 9 Write a python program to find the smallest number between three numbers.
- 10 Write a program to the number is positive or negative.
- 11 Write a program to check that number is even or odd.
- 12 Write a program to check that user is eligible voter or not.
- 13 Write a program to check whether the number is divisible by 7 or not.
- 14 Write a program to input marks of a student in 5 subjects, calculate total marks and percentage and display grades accordingly: -

PERCENTAGE	GRADES
> 90	A
> 80 and <= 90	B
>= 60 and <= 80	C
below 60	D

15. Q2. Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria :

Cost price (in Rs)	Tax
> 100000	15 %
> 50000 and <= 100000	10%
<= 50000	5%

16. Accept any city from the user and display monument of that city.

<u>City</u>	<u>Monument</u>
Delhi	Red Fort
Agra	Taj Mahal
Jaipur	Jal Mahal

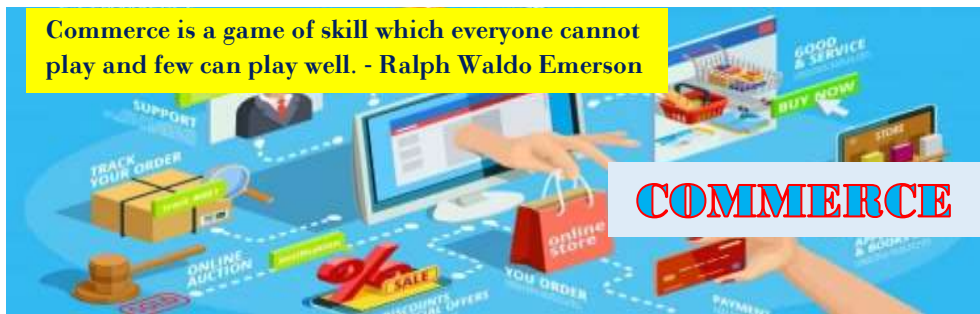
Submit the printouts of all programs along with output, including:

1. The cover page
2. Acknowledgement
3. Index

After preparing this start the program writing and attach the required screenshots of code and output.

PSYCHOLOGY

1. Complete your practical file by referring to Chapter 2.
2. Complete your Assignment Question of Chapter 1.



Commerce is a game of skill which everyone cannot play and few can play well. - Ralph Waldo Emerson

ACCOUNTANCY

Q1. Project activities for accomplishing the objectives:

- (i) To collect supporting vouchers.
- (ii) Transforming the above vouchers into accounting vouchers.

Hint: -- Collect some vouchers and make accounting voucher for example your fee Receipt, a cheque, shopping bill, electricity bill in a separate project file.

Q 2. Complete the assignment of chapter 5 accounting equation and Chapter 6 Rule of debit and credit.

Q3. Complete the given question of chapter 5 and Chapter 6 from T.S. Grewal's book.

BUSINESS STUDIES

Q1. List out the name of business unit near your location and bifurcate them in

- Sole proprietorship
- Hindu Undivided Family Business:
- Partnership
- Private company
- Public company
- Cooperative Societies

Q 2. Complete the NCERT book question of chapter 1 and 2.

ECONOMICS

1. Prepare project file as per CBSE guidelines:
 - Economic crisis in Pakistan (R. No. 1 to15)
 - Economic crisis in Sri Lanka (R. No. 16 to 26 & XI H)
2. Do given assignment of Chapter Organisation of data in fair note book

ENGLISH Refer to Science Stream Holiday Homework

MATHEMATICS Refer to Science Stream Holiday Homework

PSYCHOLOGY Refer to Science Stream Holiday Homework

INFORMATICS PRACTICES (PRACTICAL FILE) XI C

TOPIC - BASIC PYTHON CODES

NO. PRACTICAL

- 1 Write a python program to display 'Happy Birthday' message to your friend.
- 2 Write a python program to find the sale price of an item with a given cost and discount (%).
- 3 Write a python program to calculate perimeter/circumference and area of shapes such as triangle, rectangle, square and circle.
- 4 Write a program to calculate Simple and Compound interest.
- 5 Write a program to calculate profit-loss for a given Cost and Sell Price.
- 6 Write a program to calculate EMI for Amount, Period and Interest.
- 7 Write a program to check whether an year is leap year or not.
- 8 Write a program to find the largest number between two numbers.
- 9 Write a python program to find the smallest number between three numbers.
- 10 Write a program to the number is positive or negative.
- 11 Write a program to check that number is even or odd.
- 12 Write a program to check that user is eligible voter or not.
- 13 Write a program to check whether the number is divisible by 7 or not.
- 14 Write a program to input marks of a student in 5 subjects, calculate total marks and percentage and display grades accordingly: -

PERCENTAGE	GRADES
> 90	A
> 80 and <= 90	B
>= 60 and <= 80	C
below 60	D

15. Q2. Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria :

Cost price (in Rs)	Tax
> 100000	15 %
> 50000 and <= 100000	10%
<= 50000	5%

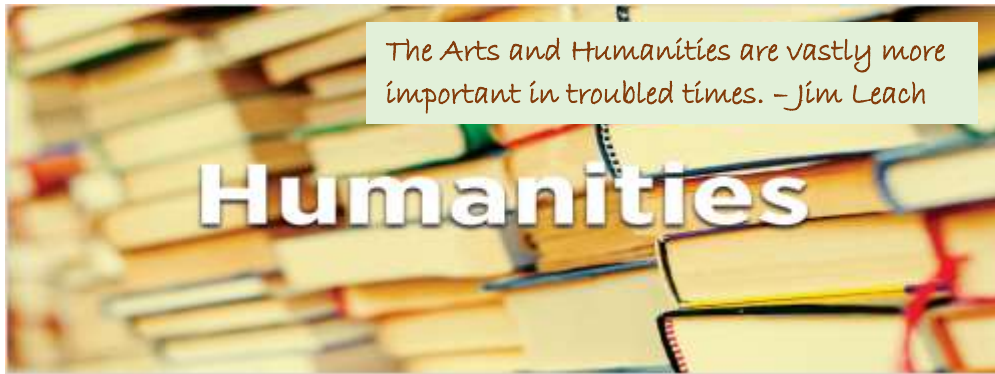
16. Accept any city from the user and display monument of that city.

<u>City</u>	<u>Monument</u>
Delhi	Red Fort
Agra	Taj Mahal
Jaipur	Jal Mahal

Submit the printouts of all programs along with output, including:

4. The cover page
5. Acknowledgement
6. Index

After preparing this start the program writing and attach the required screenshots of code and output.



LEGAL STUDIES

Read the chapters done till now and complete notebook work.

SOCIOLOGY

The function of sociology, as of every science, is to reveal that which is hidden.

– Pierre Bourdieu

- **Prepare and complete your sociology project according to your individual topic.**

(As per CBSE guidelines and instructions given in class).

Note - No need to do the binding now. Final binding will be done after verification by the subject teacher after the summer break.

- **Complete your Sociology notebook.**

HISTORY

. Complete the given worksheet on Theme 1 and 2.

2. Revise Theme 1 and 2 from Book 1.

3. Make a project of 15-20 pages as per the guidelines given in the syllabus. A few suggested topics are :-

- a. Facets of the Industrialization in sixteenth- eighteenth centuries.
- b. Crusades: causes; rationale; events; outcomes; Holy Alliance
- c. Ancient History in depth: Mesopotamia
- d. Greek Philosophy and City States
- e. Contributions of Roman Civilization
- f. The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism
- g. Piecing together the past of Genghis Khan

POLITICAL SCIENCE

1.Prepare a project according to the CBSE guidelines.

Use ring file.

Only white or light-coloured sheets to be used.

Suggested topics

1.Constitution

2.Elections in India.

3.Fundamental Rights, Fundamental Duties, Directive Principles

4.Any other topic based on the syllabus.

Marks will be allotted on various heads.

1.Introduction/overview

2.Variety of contents

3.Presentation

4.Conclusion

5.Bibliography

2.Revise chapters 1,2 & 3

ECONOMICS

3. Prepare project file as per CBSE guidelines:

➤ Economic crisis in Pakistan (R. No. 1 to15)

➤ Economic crisis in Sri Lanka (R. No. 16 to 26 & XI H)

4. Do given assignment of Chapter Organisation of data in fair note book

ENGLISH Refer to Science Stream Holiday Homework

PSYCHOLOGY Refer to Science Stream Holiday Homework

PAINTING

1. 3 Painting Nature and Object Study.

Size A3

2. 3 Composition Painting.

Size A3

“If I had six hours to chop down a tree, I would spend the first four hours sharpening the axe.” Abraham Lincoln

HAPPY HOLIDAYS