HOLIDAY HOMEWORK SESSION 2025-26

<u>CLASS VI</u>

English Language:

1.Do passage 4 on pgs 152,153 from your English Language book in your fair notebook\

2. Write the types of Tenses along with the kinds and at least two examples of each kind in the form of a table or a flowchart

3. Learn the lessons taught.

- > English Literature:
- 1. Market Visit Observe and Report

Visit a local market (vegetable, supermarket, or any nearby market).

Observe different stalls/shops, products, and people.

Talk to a shopkeeper (with an adult's help) and ask basic questions (e.g., What do you sell? What time does your shop open?).

2. In your English Literature fair notebook(at least 2 to 3pages):

- a. Write a short paragraph (6–8 lines) on your visit.
- b. Draw or paste 2–3 pictures (hand-drawn or printed) of what you saw.
- c. Create a small chart listing 5 items you saw, their prices, and shop type.
- 3. Learn the lessons taught.
 - ≻ <u>Hindi:</u>

कश्मीर के प्राकृतिक सौन्दर्य पर अन्च्छेद लिखते हुए उनके प्रसिद्ध वस्तुओं के चित्र बनाइए ।

> Hindi Literature

Learn chapter -4 -

Hindi Language

1)अनेकार्थी 1 to 14

2) वाक्यांश 1 to 14 > Maths: 1. Do chapter check-up type questions of Chapter 1 in your fair notebook. 2. Draw well labelled figures for the different types of angles – Acute angle, right angle, obtuse angle, straight angle, reflex angle, zero angle, complete angle, congruent angle, vertically opposite angle, adjacent angle and linear pair. 3. Draw all the possible lines of symmetry of English alphabets in your fair notebook. > Sanskrit: 1.Learn Lesson 2. शब्द तथा धात् परिचय Lesson 3. इदम् , एतत् , तत् , किम् 2.Learn and Write in Sanskrit Notebook 1.राम शब्द रूप 2. लृट लकार धातू रूप- पठ् हस् 3. पशुओं के नाम (1-10) 4. पक्षियों के नाम (1-8) History and Civics: 1.Project Title: "History and Its Sources" **Guidelines:** Divide sources into three main types: **Archaeological Sources**

Literary Sources

Oral Sources

Give 2 to 3 examples of each type and write 2 lines on each. (In your History Civics fair notebook)

Include drawings or pictures (can be hand-drawn or printed).

Mention any famous discoveries (e.g., Harappan seals, Ashokan inscriptions, ancient manuscripts etc).

Presentation:

Be creative—add borders, drawings, or old-looking paper for a "historic" touch.

2.Learn and revise the lessons taught.

Geography:

1. Paste the newspaper cuttings of the place you visited in the summer vacations of minimum temperature, maximum temperature, sunrise, sunset of 10 days in your fair notebooks.

2. Learn the lessons taught.

> Physics:

1) Draw the table of comparison of the properties of Solids, Liquids and Gases on A4 sheet and paste it in Class-Work note- book. (refer pg 13)

2) Write about five Physicists and their works/ inventions and paste relevant pictures in your note- book.

3) Classify the following as solid, liquid or gas:

Cell phone, Book, Carbon dioxide, Oxygen, Juice, Water, Ice, Water Vapour, CNG, LPG, Milk, Table, Stone, Air, Steam, Dew found on leaves, Rain, Hail, Honey, Oil, Helium

> Chemistry:

1. On coloured A4 Sheet Stick objects/ pictures depicting the importance of chemistry in various fields.

2. Learn the lessons taught.

Biology:

Create a flowchart or diagram illustrating the cell cycle.

Write a report explaining how the cell cycle is regulated and why it is important.

Do the holiday homework in the notebook itself...

> <u>Computer:</u>

1. In your fair notebook stick pictures and write two characteristics of various categories of microcomputers.

2. Learn the lessons taught.

<u>CLASS VII</u>

English Language:

1.Do passage 3 (unseen passage) of page 158 in your English language fair note book .

2. Revise the lessons taught.

> English Literature

Project topic:

1. Choose a short story (can be a moral story, folk tale, or a story from any book you have read). Turn the story into a comic strip or picture sequence in your fair notebook (2 to 3 pages):

Draw 4–6 frames with speech bubbles and captions. Add titles, characters' names, and expressions. Tips: Keep it simple but colourful. Use pencils first, then outline in pen. Use speech bubbles for dialogues and boxes for narration.

2. Learn and revise the lessons taught.

- ≻ <u>Hindi :</u>
- HINDI LITERATURE Revise all the lessons taught in class
- HINDI LANGUAGE Learn L- 1 भाषा विचार हिंदी भाषा और व्याकरण

Write and learn -

पर्यायवाची – 1 to 30

विलोम – 1 to 30

अनेकार्थी – 1 to 15

अनेक शब्दों के लिए एक शब्द – 1 to 16

Sanskrit :

Learn L- 2 मम विद्यालय: L-3 गौ सेवा Write and learn शब्द रूप – साधु

सन्धि – दीर्घ

History and Civics:

1. Project title :

The Architectural Legacy of the Delhi Sultanate:

Study the architectural achievements of the Sultanate, including prominent buildings like Qutub Minar, Jama Masjid, and Tughlaqabad. Paste or draw any four pictures of the buildings of this period and write 5-6 lines about it.

- 2. Learn and revise the lessons taught.
 - Geography:

1. Take any one country of Europe and describe any five famous cities in it, mention at least 2 things they are famous for. (use relevant pictures)

- 2. Learn the lessons taught
 - > Physics:

Q.1 With the help of a diagram explain how will you measure the volume of an irregular solid?

- Q.2 Differentiate between:
- 1. Mass and Weight
- 2. Speed and Velocity
- 3. 3. Scalar and Vector quantities

(Revise and practice all the Chapters taught).

> <u>Chemistry:</u>

1.State any 3 examples of each of the following and stick pictures to support your answer:

(a) Physical Change

(b) Chemical Change

(c)Endothermic Change

(d)Exothermic Change

(e)Periodic Change

Q.2. Define the following:

1.Melting 2. Boiling 3. Evaporation 4. Sublimation

5. Freezing

(Revise and learn all the Chapters taught).

Biology:

Q1. Explain the classes of five kingdom classification.

Q2. Write two characteristics each of Algae, mosses, ferns, gymnosperm, angiosperm with examples and pictures

Q3. Write 5 benefits and risks of bacteria in our life.

Q4. Learn the chapters done in class.

{All work to be done in fair notebook}

> Mathematics:

1. Do exercise- Multiple choice Type of L- 1,2 and 7 in class notebook.

2. Write formulae/ laws related to L- 1,2 and 7 on A4 sheet and stick it before the chapter begins in fair notebook.

(Prepare and practice the exercises taught in class)

Computer:

1. Stick pictures of any 5 internal and external components of computer system and write 4-5 lines about it in your class notebook.

2. Solve the following questions based on number system in your notebooka. Convert the following-

1. (342) base 10 to (?) Base 2

2. (47) base 10 to (?) Base 2

3. (10010) Base 2 to (?) Base 10

| 4.(1111)Base 2 to (?) Base 10 |
|--|
| 5. (10101) Base 2 to (?) Base 10 |
| b. Solve the following for binary numbers- 1. 10101 + 111 |
| 2. 1110 + 1010 |
| 3. 1111 - 1010 |
| 4. 1101 - 111 |
| 5. 11001 + 1011 |
| (Learn and prepare whatever is taught in class) *********************************** |
| *************************************** |
| |

CLASS VIII

> <u>English</u>Literature:

Make a presentation on the spectacular work done by Michelangelo in the Sistine Chapel along with three of his best-known works, which may include his paintings, sculptures or poems.

Learn and revise the lessons taught.

> English Language:

Solve passage 1 given on page 171 in your Grammar notebook and revise the eight parts of speech.

➢ Hindi:

- > HINDI LITERATURE Revise all the lessons taught in class
- > HINDI LANGUAGE- Learn L-1 भाषा, लिपि और व्याकरण

Write and learn

पर्यायवाची – 1 to 30

विपरीतार्थक– अग्रज – उत्कर्ष

अनेकार्थी – 1 to 20

अनेक शब्दों के लिए एक शब्द – 1 to 25

> Maths:

1. Do miscellaneous exercises of Chapter 1 and 2 in your fair notebook.

2. Do Chapter 24 (Data handling) in your fair notebook.

> Sanskrit:

Learn L-3 — स्वतंत्रता दिवस :

L- 4 क्रीडाया: महत्त्वं

Write and learn

धातु रूप – लट् लकार (वर्तमान काल)

प्रत्यय – क्त , कत्वा , ल्यप्

History and Civics:

Make a picture presentation on any three major inventions of the Industrial Revolution and discuss the impact of industrial revolution on societies all over the world (three positive and three negative effects along with pictures)

Learn and revise the lessons taught.

Geography:

With respect to India, mention any four industries that flourish in India. Mention the raw material they use, the finished product they produce and the places they are found. (use relevant pictures)

Learn the lessons taught

> Physics:

Q.1 Define the following:

1.Matter

2.Force of Adhesion

3.Force of cohesion

4.Melting

5.Boiling

Q.2 State the main postulates of Kinetic theory of matter?

Q.3 Draw a graph showing change of state of ice?

(Revise and learn all the Chapters taught).

- > Chemistry:
- Revise Chapter 1 and 2
- Read Chapter 3
- Write the principles and method of separation of

different types of Mixtures with the help of

suitable diagrams and learn the principles

• Draw atomic diagrams of the atoms of first twenty

elements and learn the atomic number and atomic mass.

> Biology:

Q1 a. Explain the importance of transpiration.

b. Draw or stick the pictures and make any five food chains.

Q2. Differentiate between osmosis, diffusion and Active transport.

Q3. Give any 3 characteristics of root hairs.

Q4. Give the names of any two micro nutrients and give their role in the plant.

Note: Learn all the chapters taught and complete the Question and Answers in your note book.

*Read Chapter 3 and 4.

> Computer:

目 Instructions:

Complete all sections in a neat and organized manner.

Diagrams must be labeled clearly.

Use A4 sheets or a project notebook for written work.

Be original—copy-pasted work will not be accepted.

Assignment Tasks

1. Theory Questions (Write answers in your own words):

a) What is a computer network? Why is it useful?

b) Differentiate between LAN, MAN, and WAN with examples.

c) Define the following terms:

Router Modem Server Client

d) What is the difference between wired and wireless networking?2. Diagram Work:

Draw a neat labeled diagram of:

a) A simple LAN setup (e.g., computers connected to a switch)

- 3. Research & Write (100–150 words each):
- a) How does the Internet work?
- b) What is cybersecurity? How can you stay safe online?

HomeWork : Read and learn Chapter 3 Algorithm and Flow Chart

Class -IX

> ENGLISH

English Literature Project Class 9 2025-26

Acknowledgement

Index

Introduction

DRAMA

"Power, Honour, and Betrayal: A Comparative Study of Julius Caesar and Marcus Brutus" To explore and compare the complex personalities of Julius Caesar and Marcus Brutus, analyse their motivations and roles in the play, and critically examine how Shakespeare crafts the conflict between ambition and honour through

Character Analysis(500 words)

Julius Caesar:

His personality traits: strength, arrogance, ambition. His political stature and public perception.

Evidence of his ambition and possible flaws.

Was he a threat to Rome or a victim of conspiracy? Marcus Brutus:

His moral dilemma: love for Caesar vs. duty to Rome.

Influence of Cassius and his eventual downfall.

Was Brutus a hero, a betrayer, or a tragic figure?

Comparative Reflection:

What made Caesar a target and Brutus a conspirator?

POETRY

Write a short synopsis of the poem Night Mail by W.H. Auden in your own words. Your synopsis should briefly describe the journey of the train, what it carries, the landscapes it travels through, and how the poet brings the scene to life using rhythm and imagery." (500 words)

PROSE (500 words)

Analyze how themes of social injustice, poverty, and the treatment of vulnerable individuals in "Oliver Asks for More" resonate with contemporary societal challenges, such as homelessness, child labor, and inequality.

Conclusion Bibliography

English Literature :Learn the lessons taught and complete the workbook exercises and notes.

English Language : Solve model test paper, four and five in your Total English book

> Hindi

Learn

1 पर्यायवाची

2 विलोम

3 विशेषण

4 वर्तनी श्द्ध कीजिए

5 तत्सम, तद्भव

And Revise the lessons taught

हिंदी योजना कार्य

(Project work 2025)

- हिंदी साहित्य
- हिंदी कहानीकार
- स्वयं प्रकाश 1000 शब्दों में
- हिंदी व्याकरण
- . निबंध

> Maths

1.) Project Topic

Survey of a group of 20 students , it's graphical representation and calculation of mean

(height, weight, pocket money ,no.of family members)

2.) Holiday HW

Problems from chapter 2 - compound interest without using formula

Chapter 9 - congruency of triangles

Chapter 20 - perimeter and area of plane figures

> Physics

1.) Project Topic

Energy - forms, transformation and conservation

2.) Holiday HW

Revision of chapters taught and practice of numerical

- Chemistry
- Learn the tables given on pgs 7,29,30
- Learn the atomic number and mass number of elements 1to20

- Learn the identification and test of Gases
- Draw the atomic orbital diagrams of Atoms of the first twenty elements.
- Complete the practical file.
- Revise Chapter 1 and 2.

Biology

- Practice all the diagrams of chap 2, 3, and 4.
- Do all the Exercises questions and extra questions from chap 2 and 3
- Read chap 4-The Flower, Chap 5-Pollination and Fertilization,

Practical file (Project work):

Write all experiments in the Bio manual (practical file) with a blue or black pen. Draw labelled diagrams neatly with the help of pencil only. Learn all the chapters taught.

> History / Civics

Project Class 9 2025-26

| Total 1500 words |
|---------------------|
| Acknowledgement |
| Index |
| Introduction |
| History |
| Topic 1:(750 words) |

Life during the Vedic Age: Society, Economy, Religion, and Culture"

- Write a brief introduction to the Early and Later Vedic Ages (chronology).
- Divide your project into the following sections:
- 1. Society: Role of family, position of women, varna system.
- 2. Economy: Agriculture, cattle rearing, trade practices.
- 3. Religion: Important gods and goddesses, religious practices, yajnas.

4. Culture: Language (Sanskrit), literature (Vedas, Upanishads), education system (gurukuls).

Topic 2 (750 words)

Civics: Fundamental Rights- A Citizen's Guide book

"Guardians of Freedom and Responsibility: Understanding Our Fundamental Rights"

- o List and explain all six Fundamental Rights briefly.
- "Which Fundamental Right means the most to me and why?"
- Conclusion
- o Bibliography

Holiday homework

History learn lesson 1 and 2 and mark answers. Frame extra questions and complete the notes. Civics learn and mark answers from lesson 1 and complete notes

> Geography

Topic - Pollution a Global Challenge

*With respect to growing pollution, what steps can you take to prevent it. Give a detailed study of at least 5 ways in which human population growth is responsible for pollution growth along with the causes and ways to prevent it

(use relevant pictures) * learn all the chapters taught.

ECONOMIC APPLICATIONS

PROJECT:

Choose any four topics from the following:

1. Globalisation and its impact on the economy Definition, emergence, need, effects of globalisation (positive and negative) and impact on the Indian economy.

2. Consumer Awareness: Rights, Responsibilities, and protection. Discuss about – a consumer, consumer awareness, consumer rights and consumer responsibilities. Examine a case study about the role of social media in raising awareness about unethical business practices or false advertising using a real-life example

3. The role of money in modern economic life

Discuss about – money, functions of money, types of money and evolution of money (stages of development) and, importance of money in modern economy. Reflect on how digital money is changing how we buy, sell and save today.

4. The nature of the Indian Economy

Types of economies in the world, why Indian Economy is a developing economy, the role of government in the Indian Economy (using pie charts of sectoral GDP share), challenges faced by the Indian Economy such as poverty, unemployment, inflation, etc.

5. The world Trade Organisation: Its role and impact on India What is WTO? Discuss its history and formation, goals and functions. Impact of WTO on developing countries.

HOMEWORK: Learn the definitions from chapter 1 and short answer type questions of chapter 2. Read chapter 3 and prepare notes of it.

> ROBOTICS AND ARTIFICIAL INTELLIGENCE

1. Prepare a write up on the topic -

" All Robots are machines, but all machines are not Robots ". (150 to 200 words)

- 2. Create a mind map of various data types in Python with examples.
- 3. Prepare a report on New inventions in the field of Robotics.
- 4. Choose any one Robotic device and write the following about it-

Introduction, purpose of the device, components required, program code for Arduino , circuit diagram. (Stick pictures wherever required)

5. Learn whatever is taught in the class.

(All the work needs to be done in a spiral file)

> Computer Applications

Theory

- 1. What is Class and object.
- 2. What is OOPs? Explain in Detail?
- 3. Data Types with examples ?
- 4. Write all the Syntax for Mathematical Library Method.

Programs

Q1. Employees at Arkenstone Consulting earn the basic hourly wage of Rs.500. In addition to this, they also receive a commission on the sales they generate while tending the counter. The commission given to them is calculated according to the following table:

| TOTAL SALES | COMISSION RATE |
|----------------------------------|----------------|
| | |
| Rs. 100 TO LESS THAN Rs. 1000 | 1% |
| Rs. 1000 TO LESS THAN Rs. 10000 | 2% |
| Rs. 10000 TO LESS THAN Rs. 25000 | 3% |
| Rs. 25000 AND ABOVE | 3.5% |

Write a program in Java that inputs the number of hours worked and the total sales. Compute the wages of the employees.

Q2. Mayur Transport Company charges for parcels as per the following tariff:

| WEIGHT | CHARGES |
|--------------------|---------------|
| UPTO 10 KG | Rs. 30 PER KG |
| FOR THE NEXT 20 KG | Rs. 20 PER KG |
| ABOVE 30 KG | Rs. 15 PER KG |
| | |

Write a program in Java to calculate the charge for a parcel, taking the weight of the parcel as an input.

Q3. A cloth showroom has announced the following festival discounts on the purchase of items based on the total cost of the items purchased:

| TOTAL COST | DISCOUNT RATE |
|---------------------------------|---------------|
| | |
| LESS THAN Rs. 2000 | 5% |
| Rs. 2000 TO LESS THAN Rs. 5000 | 25% |
| Rs. 5000 TO LESS THAN Rs. 10000 | 35% |
| Rs. 10000 AND ABOVE | 50% |

Write a program to input the total cost and to compute and display the amount to be paid by the customer availing the discount.

Q4. Write a program in Java that uses 'input using initialisation' to calculate the Simple Interest and the Total Amount with the given values:

i. Principle Amount = Rs. 20000 ii. Rate = 8.9% iii. Time = 3 years

Q5. Write a program in Java that accepts the seconds as input and converts them into the corresponding number of hours, minutes and seconds. A sample output is shown below:

Enter Total Seconds: 5000 1 Hour(s) 23 Minute(s) 20 Second(s)

> Physical Education

All students of Class 9 are hereby informed that the holiday homework for Physical Education has

been assigned. The topic for the assignment is:

"A Detailed Study on the Game of Cricket"

Instructions:

- 1. Prepare a handwritten project report of 10-12 pages on the game Cricket.
- 2. The report should include the following points:
- Introduction to Cricket
- History and origin of the game
- Rules and regulations
- Number of players and their responsibilities
- Description of field and necessary equipment
- Popular cricket formats: Test, ODI, T20
- Major national and international tournaments (e.g., IPL, World Cup)
- Fitness and training of players

- Contribution of India to world cricket...

Note:- Write the chapter number 1,2 & 3 in workbook.

> Art

(Drawing and Painting)

Paper 1- still life five still life sketching(pencil shading work) in file

Paper 2 - nature are-(two watercolor painting in file)

Project work- 1-mandala art(in Canvas)

2- kalamkari painting (in Canvas)

Class X



Topic: Object-Oriented Programming (OOPs) in Java

Teacher: [Dr. Saurabh Chaudhry]

Objective:

To understand and apply the basic principles of Object-Oriented Programming using Java.

Dert A: Theory Work (To be written in your computer spiral practical file)

1. Define the following OOPs concepts with examples:

- Class
- Object
- Encapsulation
- Inheritance
- Polymorphism
- Abstraction

2. Differentiate between:

- Procedural Programming vs Object-Oriented Programming
- Class vs Object
- Method Overloading

3. Write short notes on:

Constructor in Java Access Specifiers (public, private, protected, default)

Part B: Practical Work (To be done in BlueJ or any Java IDE)

Write Java programs for the following:

Program 1: Create a class Student with attributes name, roll-on, and marks. Write methods to:

- Accept details
- Display details

Program 2: Create a class Rectangle with length and breadth. Write methods to:

- Calculate and return area
- Calculate and return perimeter

Program 3: Demonstrate constructor overloading using a class Car with different constructors.

Program 4: Simple Calculator

Create a program that takes two numbers and an operator (+, -, *, /) and displays the result. Program 5: Create a class to show method overloading using add(int, int) and add(double, double).

Part B: Pattern Programs to developed in BlueJ

- 6. Star Triangle
 - *
 - * *
 - * * *
 - * * * *
 - 7. Number Triangle
 - 1

12

12

123

1234

8. Reverse Star Triangle

* * * *

* * *

* *



| 1 | | | |
|---|---|---|----|
| 2 | 3 | | |
| 4 | 5 | 6 | |
| 7 | 8 | 9 | 10 |
| | | | |

10. Multiplication Table (1 to 10)

Part C: Research and Write (1-2 pages)

Topic: "Real-life applications of OOPs"

Include:

- · Where OOP is used in real-world software
- Benefits of using OOP in application development

A Instructions

- All programs must be written in Java with proper comments.
- Output screenshots or sample runs must be attached for each program.
- Submit handwritten work for theory , coding and printed outputs for Java programs.
- Originality will be rewarded; no plagiarism.

Subject: English

Total - 1500 words - ACKNOWLEDGEMENT, INDEX, INTRODUCTION

DRAMA – JULIUS CAESAR (250 + 250 words)

Q1. Mark Antony's funeral speech is a master class in persuasive rhetoric. Analyse how Antony uses irony, repetition and emotional appeal to subtly dismantle Brutus's justification and incite rebellion. How does his oratory skills shift public opinion and alter the course of events? (250 words)

Q2. Brutus justifies his actions by claiming he acted for Rome's well- being. How does Act 3 explore the conflict between personal loyalty and political responsibility and what does this reveal about Brutus's character? (examine moral struggles Brutus faces and encourages discussion on whether his decision was truly honourable, with reference to the text)

POETRY (250+250 words)

Q1. In 'Haunted House' Longfellow presents spirits as benevolent rather than menacing. How does this perspective contrast the traditional views of ghosts and what message might the poet be conveying about memory and the afterlife.

Q2. Compare and contrast the treatment of death and remembrance in Longfellow's 'Haunted House' and Maya Angelo's 'When Great Trees Fall'. How does each poet portray the presence and influence of those who are no longer alive? (Present your analysis through a written report and a creative presentation- Value points - focus on structure and style, theme, tone and mood, imagery and message)

SHORT STORIES (250 + 250 words)

Q1. Stephen Leacock's 'With the Photographer' is a satirical piece that humorously critiques the idea of self-image and societal perceptions for perfection. Discuss how the author uses irony, exaggeration and humour to expose the absurdity of the photographer's behaviour. What deeper commentary does the story offer on identity and self-perception?

Q2. How does the Narrator's voice in 'The Girl Who Can' by Ama Ata Aidoo reflect the internal conflict between tradition and modernity in Ghanian society? (Value points : Narrator's Age and perspective, Symbol of thin legs, Generation divide,

Cultural Expectations, Voice and tone, Modern opportunities.)

CONCLUSION, BIBLIOGRAPHY

HOLIDAY HOMEWORK -

LITERATURE - Complete English Literature workbook exercises of the lessons taught. ENGLISH LANGUAGE - Complete Test Papers 4 & 5

Subject: Physical Education

Project Work: Detailed Report on Any Three Games

Requirement:

Prepare detailed handwritten reports on any three games in a spiral-bound file. Each game must cover 10 full pages (with neat handwriting, diagrams, and proper headings).

Choose Any 3 Games from the List Below:

- Cricket
- Football
- Volleyball
- Basketball
- Badminton
- Hockey

Structure for Each Game (10 Pages):

- 1. Introduction and History
- 2. Objectives of the Game
- 3. Rules and Regulations
- 4. Field/Court Dimensions with Diagram
- 5. Number of Players and Their Roles
- 6. Officials (Referees/Umpires) and Their Duties
- 7. Skills and Techniques

8. Equipment Used

9. Major Tournaments (National & International)

Note:- Write the chapter number 1,2 & 3 in workbook.

Subject: ROBOTICS AND ARTIFICIAL INTELLIGENCE

ROBOTICS :

- 1. Compare between Machine / Robot / Cobot .
- 2. Prepare a write up on the topic " Ethics in robots: can machine make moral decisions?"

ARTIFICIAL INTELLIGENCE :

- 1. Create a concept map of a smart Hospital Management System.
- 2. Explain various AI modelling techniques.

PROGRAMMING :

Create the following programs -

- 1. Create a list of all students in class and sort them in alphabetical order (using python).
- 2. Create Numpy arrays of marks and student names -
- a. Display names of students with only marks > 80 using array index number.
- b. Getting elements from Numpy arrays using index values.
- c. Numpy array slicing.
- d. Getting Numpy array shape and reshaping them.
- e. Iterating a Numpy array.
- f. Join and Split Numpy arrays.
- g. Searching and Sorting of Numpy arrays.
- h. Using mean, median and mode methods given in Numpy.

3. Display an image using Matplotlib and print its Numpy array form. Also check the data type and shape of Numpy array. Use the library 'skimage' for getting sample images.

Subject: Economics Applications

PROJECT:

Choose any four topics from the following:

1. The Role of Banks in Economic Development

Commercial banks, their functions—like savings, lending, and facilitating trade with the help of flowcharts. Discuss about the impact of emerging digital banking and various financial inclusions (e.g., Jan Dhan Yojana)

2. Comparative Study: Public vs Private Sector Enterprises in India

Compare one public sector company (like LIC or Indian Railways) with a private sector company (like Tata or Reliance).

Use a comparison table with points like ownership, objectives, services, and profit.

3. The role of the government in the economy

The role of the government in the economy, including fiscal policy, monetary policy, and the public sector. Discuss the types of taxes and consider the impact of taxes, government spending with the help of graphs and flowcharts.

4. The Role of Demand and Supply in Setting Prices

State how the laws of demand and supply determine prices in different market situations, using theoretical examples and diagrams. Discuss about law of demand, law of supply and the factors affecting demand and supply.

5. Market structures: Perfect competition vs. Monopoly

Types of market structures in the Indian Economy. Comparison of the two extremes – perfect competition and monopoly – through definitions, features, real-life examples and basic diagrams. Paste pictures, graphs, schedules wherever required.

HOMEWORK:

Learn the short answer type questions, definitions and differentiation of chapter 1 and 2. Solve the MCQs of chapter 1 and 2. Prepare chapter 2 for UT 2.

Subject: Geography

1.Project- TopicCurrent Geographical Issues- Development of Tourism in India2.Practice the maps of India3.Learn the chapters taught

Subject: History And Civics

Total 1500 words History Topic 1: National Movement (750 words) Make an illustrative study about the role of Mahatma Gandhi in the Indian freedom Struggle and work of any three national leaders, between 1857 and 1914 and describe their contribution to the nation. Topic 2: (750 words) Prepare a report on the role of Judiciary in protecting Our Constitution and Fundamental Rights of the Citizens. . Acknowledgement . Index . Introduction of the topic

History Points to be covered :

*Introduction

*life Sketch

*Philosophies

*freedom movements

*Objectives

*Beliefs

*Methods *Failures *Achievements

Civics Points to be covered :

* Formation

- * Powers and Jurisdiction
- * Writs
- * Conclusion

* Bibliography

Holiday Homework :

History learn lesson 1 and 2 and mark answers. Frame extra questions . Complete Notes Civics learn and mark answers from Lesson 1. Complete Notes

Subject: Biology

Complete question and answers of the chapters taught in class.

Practice diagrams of chapters 1. cell division and structure of chromosome

- 2. Genetics
- 3. Absorption by roots
- 4. Circulatory System

Practical file (lab manual) : write all experiments in with blue or black ink pen. Draw well labelled diagrams neatly with the help of pencil only. Learn all the topics covered in class. Subject: Maths 1.) Project topic -1 Circles and their properties Project topic -2 Banking - recurring deposit 2.) Holiday HW Chapterwise revision questions Q1 – Q35 Subject: Physics 1.) PROJECT Refraction of light and phenomenon related to it. 2.) Holiday HW Revision of chapters taught in class and practice of numericals Subject: Chemistry # Revise Chapter 1,2,3 #Learn the atomic number and mass number of elements 1to20 #Solve the numerical of Ex- 5A,5C,5D. # Complete the Practical file. 💭 Subject: Hindi Learn पर्यायवाची 1. विलोम 2. 3. विशेषण वर्तनी श्द्ध कीजिए 4. 5. तत्सम, तदभव And Revise the lessons taught हिंदी योजना कार्य हिंदी एकांकीकार भारत भूषण अग्रवाल हिंदी व्याकरण निबंध पत्र

| Subject: An Paper -1- Paper -2- Project work- | five still life sketching (pen nature art- (watercolor pai -1- Madhubani pain | cil shading work) in file nting in file) |
|--|---|--|
| 2- Gond art in C ************************************ | ************************ | ************************************** |
| | PROJECT WORK FOR | |
| | YEAR 2025 | |
| WRITING SKILL (LENGTH 1000- 1500 WORDS) | ISC ENGLISH LITERAT TOPIC | GUIDELINES TO BE FOLLOWED |
| Character Study and Thematic Analysis of the Three Witches in Macbeth, Act 1 | "Hail to Ambition": How the Witches in Act 1 Spark Macbeth's Ascent and Doom | The Witches' First Prophecy: A Prelude to Destiny's Game The atmosphere created by the witches' first appearance, and how do they establish the conflict in <i>Macbeth</i>. the witches' cryptic dialogue and gestures setting the tone for the play's supernatural elements The Supernatural Forces: The Witches' Influence on Macbeth's Identity the witches contribution to the early shaping of Macbeth's character and identity in Act 1 The deeper societal or psychological significance do the witches' prophecies hold for Macbeth's future actions. Macbeth's Inner Struggles: From Enthralled to Conflicted Macbeth's reaction to the witches' prophecies illustrate his emotional state and vulnerability in Act 1 The ways Macbeth's speech or silence reflect the internal battle between ambition and morality? |

| | 4. Banquo's Role: A Mirror to Macbeth's Unfolding Ambition |
|--|---|
| | Banquo's response to the witches contrast with Macbeth's, highlighting their different responses to fate and ambition Macbeth's changing outlook on the witches' prophecy challenge his personal values and morals. |
| | 5. Pophetic Chains: The Seed of Ambition and Its Dangerous Growth |
| | witches' words spark Macbeth's ambition, and how does this initial spark propel him into a dangerous path. The extent to which Macbeth's reaction to the prophecy serve as a precursor to his transformation later in the play. |
| | 6. A Clash of Fate and Free Will: The Witches' Manipulation |
| | the witches' prophecies blur the lines between fate and free will, leading Macbeth to question his agency. The ways Macbeth choose to act on the witches' prophecy signal the start of his moral disintegration. |
| | 7. The Witches as Agents of Chaos: Breaking the Natural Order |
| | The way witches serve as catalysts for chaos and disorder in both the supernatural and political realms in Act 1? Presence of the witches foreshadows the unravelling of Scotland's social and political stability. |
| | 8. The Foreshadowing of Macbeth's Downfall: The Witches' Shadow |
| | • In what ways do the witches' prophecies in Act 1 foreshadow Macbeth's tragic transformation into a tyrant? |

| | Harry Josep Marth 24, 2 and 20 Cont |
|--|--|
| | • How does Macbeth's growing fixation on the witches' words deepen his descent into the very chaos they foretold? |
| | 9. The Witches and the Blurring of Reality and Appearance |
| | Witches' paradoxical statements ("Fair is foul, and foul is fair") contributes to the theme of deception in Act 1 Macbeth's actions, driven by ambition, begin to mirror the witches' ambiguous moral stance. |
| | 10. Macbeth's Isolation: The Witches and His Moral Journey |
| | How does Macbeth's fixation on the witches' prophecy lead to his growing isolation from his conscience and from others? What does the witches' manipulation reveal about the danger of unchecked ambition and self-deception? |
| | 11. Banquo as a Foil: The Contrast in Moral Choices |
| | • Banquo's skepticism and caution offer a moral contrast to Macbeth's impulsive ambition in Act 1. |
| | 12 Conclusion |
| | . Dark Omens: The Witches and the Theme of Darkness in Act 1 |
| | The witches' association with darkness symbolize the ominous path Macbeth is about to follow. The use of light and darkness in Act 1 reflect the larger themes of good versus evil and fate versus free will? |
| | |

| 2 The Mind of the Lover: A Psychological Analysis of Abhisara | Does the Dancing girl's journey reflect merely a romantic pursuit, or is it, at its core, a timeless exploration of the human psyche's struggle between fear and desire?" | Project Guidelines: 1. Introduction (150–200 words) Briefly introduce the concept of <i>Abhisara</i> in classical Indian literature. Describe who the <i>dancing girl</i> is and what her journey symbolizes. 2. Emotional Landscape of the Dancing Girl Longing and love – intense desire to meet her beloved. Fear and anxiety – of being judged, of dangers in the night. Determination and courage – willingness to risk everything for love. Use examples from the poem (lines or imagery) to support your analysis. 3. Symbolism and the Unconscious Mind Interpret the symbolic obstacles in her journey (e.g., dark forest, snake, thunderstorm) as metaphors for inner conflicts or societal pressures. discuss how these may represent the subconscious fears or archetypes. 4. CONCLUSION Reflect on how the emotional state of the Abhisara is relatable to people today. |
|---|---|--|

|--|

> COMPUTER PROJECT WORK

1. What are the two major types of programming languages?

2. What is object oriented programming? Name two OOP languages

3. What is the difference between object and class?

4. Write a short note on procedural programming paradigm

- 5. What is base class and derived class? How are these two related?
- 6. Explain the transitive nature of inheritance.
- 7. How are the terms abstraction and encapsulation related?
- 8. What is Polymorphism?

9 Write a program to check whether number inputted in prime or not.

10. Write a program to enter a sentence. Calculate total number of Vowels, Spaces, Consonants, and words.

11. Write a class Automorphic to check whether a number is Automorphic or not using function with the help of a method int digit(int n)

12 Write a menu driven program to convert Fahrenheit to Celsius and Celsius to Fahrenheit.

13 Design a program in Java to calculate the tax for the people living in Orange city. Specify a

class taxpayer whose class description is given

below:

| Class name: | TaxCalculator |
|---------------|----------------------|
| Data members: | int PAN |
| | String name |
| | double taxableIncome |
| | double tax |

Member methods:

inputData()
displayData()
computeData()

The tax is calculated according to the following rules:

| Total Annual Taxable Income | Rate of Taxation |
|-------------------------------|------------------|
| Up to 60000 | 0% |
| Above 60000 but up to 150000 | 5% |
| Above 150000 but up to 500000 | 10% |
| Above 500000 | 15% |

Holiday home work: Do all number system chapter conversion question from chapter data Representation both solved and Unsolved.

> Physical Education

Project Work: Detailed Report on Any Three Games

Requirement: Prepare detailed handwritten reports on any three games in a spiral-bound file. Each game must cover 10 full pages (with neat handwriting, diagrams, and proper headings).

Choose Any 3 Games from the List Below:

- Cricket
- Football
- Volleyball
- Basketball
- Badminton
- Hockey

Structure for Each Game (10 Pages):

- 1. Introduction and History
- 2. Objectives of the Game
- 3. Rules and Regulations
- 4. Field/Court Dimensions with Diagram

5. Number of Players and Their Roles

6. Officials (Referees/Umpires) and Their Duties

7. Skills and Techniques

8. Equipment Used

9. Major Tournaments (National & International)

Note:- Write the chapter number 1 and 2 in workbook.

> Maths

1.) Project topic

1- probability : types and use in daily life .

2- sequence and series : AP and GP

2.) Holiday HW

CHAPTER - 11 INEQUALITIES

> Accountancy

Make a project on the following topics.

Que 1- Mr. Vasudev commenced a business on 1st April 2022. For this purpose he built the first floor of his house at a cost of ₹ 2,00,000 and invested a further sum of ₹3,50,000 in his business.

On the same date he deposited ₹ 3,30,000 in the Bank and purchased furniture and fixtures for ₹40,000.

All payments were to be made by cheques and all the receipts were to be deposited in the bank on the same day.

At the end of the year, the results were:

Transactions for the Year 2022–23

| S. No | o. Particulars | Amount (₹) |
|-------|------------------------|------------|
| 1 | Purchases | 2,68,000 |
| 2 | Sales | 5,90,000 |
| 3 | Advertisement Expenses | 6,000 |
| 4 | Wages Paid to Servant | 12,000 |
| 5 | Electricity Charges | 48,000 |
| 6 | Telephone Charges | 23,000 |
| | | |

| S. No. | Particulars | Amount (₹) |
|--------|--|------------|
| 7 | Entertainment Expenses | 7,000 |
| 8 | General Expenses | 5,200 |
| 9 | Insurance Premium (from 1st July 2022 to 30th June 2023) | 24,000 |
| 10 | Drawings (₹5,000 × 12 months) | 60,000 |

You are required to:

(i) Journalize the above transactions, post them into the Ledger and prepare a trial balance.

(ii) Prepare Trading and Profit and Loss Account and Balance Sheet taking into consideration that a telephone bill of ₹6,800 is yet to be paid.

(iii) Depreciate Building by 5% and furniture by 20%.

(iv) Closing Stock was valued at ₹60,000

Que 2- It was experienced by the residents of Green Park, Hyderabad that there is no organisation or club in the area which can promote social and cultural activities. Hence some prominent persons of the area proposed to start a literary society naming it as 'Natraj Literary Society' for the promotion of cultural activities in the area. For this purpose they approached the Chief Minister and received a grant of ₹5,00,000 for capital expenditure. Life membership fee was fixed at ₹1,21,000 and twenty persons applied and paid for the life membership. Quarterly membership fee was fixed at ₹2.500 and they enrolled eighty members on this account.

Club was formally inaugurated on 1st April, 2023 and during the year 2023-24 following further transactions took place :

| S. No. | Particulars | Amount (₹) |
|--------|---|------------|
| 1 | Placed in Fixed Deposit with Axis Bank | 8,00,000 |
| 2 | Furniture Purchased | 4,00,000 |
| 3 | Books Purchased | 1,50,000 |
| 4 | 8% Govt. Bonds Purchased (1 May 2023) | 15,00,000 |
| 5 | Payment for Rent of the Hall | 2,45,000 |
| 6 | Receipts from Lectures | 10,000 |
| 7 | Receipt from Entrance Fee | 20,000 |
| 8 | Receipt of Quarterly Subscriptions (April–June) | 2,00,000 |
| 9 | Expenses on Refreshments | 1,20,000 |
| 10 | Expenses on Charity Show | 1,50,000 |
| 11 | Proceeds of Charity Show | 2,40,000 |
| 12 | Receipt of Quarterly Subscriptions (July–Sept.) | 1,90,000 |
| 13 | Payment Made for Newspapers | 18,000 |

Transactions for the Year 2023–24

| S. No. | Particulars | Amount (₹) |
|--------|--|------------|
| 14 | Printing & Stationery | 32,000 |
| 15 | General Expenses | 36,000 |
| 16 | Wages of Caretaker (for 11 months) | 1,65,000 |
| 17 | Lighting Charges | 1,65,000 |
| 18 | Receipt of Quarterly Subscriptions (Oct.–Dec.) | 1,80,000 |
| 19 | Receipt of Interest on Govt. Bonds | 60,000 |
| 20 | Receipt from Sale of Old Newspapers | 400 |
| 21 | Postage | 1,200 |
| 22 | Donation Received for Giving Prizes | 2,00,000 |
| 23 | Prizes Awarded | 1,20,000 |
| 24 | Receipt of Quarterly Subscriptions (JanMarch) | 1,75,000 |

Other In formations:

(1) Stationery Stock on 31st March, 2024 was ₹4,000.

(ii) Rent of the hall outstanding on 31st March, 2024 was ₹15,000.

(iii) Furniture is to be depreciated @10% and books @20%.

(iv) 75% of entrance fees is to be capitalized.

(v) Wages of Caretaker is due for the month of March, 2024 and electricity bill is due for ₹5,000.

(vi) Interest accrued on fixed deposit with Axis Bank ₹75,000.

You are required to prepare a Receipts and Payments Account and Income and Expenditure Account for the year ended 31st March, 2024 and the Balance Sheet as at that date.

Note:

- 1. Complete the project (to be done in handwriting).
- 2. Learn and revise the chapters that have been taught.

> Economics

Do any two topics.

- 1. Sustainable development
- 2. Inflation: causes and effects of inflation in Indian economy, study on the impact of inflation on purchasing power of consumers.

3. Unemployment in India: concept, types, causes, effects, government measures, implementation and solutions.

Holiday home work: Complete the project. Learn and revise the chapters taught

Commerce

Topics:

1-A Case Study on a Startup in India (e.g., Zomato, Byju's)

2- Study of E-commerce Platforms and Their Impact on Consumer Behaviors.

Project is to be made on Word.

- Font number: 12 (Times New Roman).
- Main headings: 16 (Algerian).
- Sub headings: 14 (Times New Roman).

Pages: 20 to 30.

> Biology

HOLIDAY HOMEWORK

- BIOLOGY PROJECT: Complete Project as per the guidelines provided by the teacher on any one topic mentioned in the syllabus.
- HOLIDAY HOMEWORK: write answers of questions dictated by teacher in the notebook.
- Practical file:

Write experiments done in the practical file.

- Learn and revise chapter 1, 10 and 19
- Prepare a working/still model of Biology

Chemistry

Revise Chap 1 and 2

- Read Chapter 3
- ♣ Solve the numerically of Chap 1
- **4** Complete the Practical file
- **4** Complete the Project

> Physics

- Make a complete project on any of the following topics given below:
 - 1. Communication of satellites
 - 2. DC motor and AC generator
 - 3. Applications of Bernoulli's theorem— dynamic uplift, atomiser etc.
 - 4. Work, power and energy.
 - 5. Applications of hydraulic machine.

Revise the chapters taught

HISTORY

Make Project on the following

Topics:-

Modern Indian History

1.1857Revolt -Causes, Leaders and consequences

World History

2.World war I-causes, and

Aftermath.

(Do learn the work given in register and also complete your work.

Revise the chapters done in book.)

> POLITICAL- SCIENCE

Make the project on the topics given below:-

Contemporary Topics

1. Youth participation in Indian Politics

2.Impact of social media on political awareness.

Make the project properly, neatly keeping all the points in mind.

Revise Ch-1,2 from book and notebook

| Complete your full work in registers. |
|---|
| *************************************** |
| |
| |

<u>CLASS XII</u>

| | | PR | OJECT WORK FOR STANDARD 12 |
|-------------------------------------|----|------------------------|--|
| | | | YEAR 2025-2026 ENGLISH |
| | | | SC ENGLISH LANGUAGE (PAPER 1) |
| WRITIN SKILL (LENGTH WORDS | 00 | ΤΟΡΙϹ | GUIDELINES TO BE FOLLOWED |
| | | ELEPHANT WHISPERERS | Steps to Writing a Movie Review: 1. Watch the movie The first step in writing the review is to watch the movie. Watching the movie a second time will help you absorb a lot more detail about the movie. 2. Evaluate the movie You should also give impartial details and allow your readers to make their decision over an issue the reader liked or disliked. Opinions should be explained to allow the reader to determine whether they would agree with your opinion. 3. Who is your audience? You need to consider who your audience will be. Ensure you report on the factors that matter to your likely audience. 4. Actors Detail who is starring in the movie and how well you think they acted. 5. Structure Did the movie follow a regular predictable story line, or did it get you thinking, like a Quentin Tarantino movie? 6. Cinematography and lighting Give details about how well the movie was shot and directed. Was the lighting good in the moody scenes? 7. Music Did the movie have its own score like ET, or did it feature songs from popular artists? 8. Proofread Read and check your review thoroughly. always looking for the correct spellings of key words. Guideline for a Movie Review Paragraph 1: You will need to include the following: name of the film, prominent stars of the film, basic setting (time and place), and genre. Paragraph 2: You will need to write a short plot summary for the movie. Do not reveal the ending. Paragraph 3: Discuss one aspect of filmmaking. You may choose from acting. |

| | direction, editing, costume design, etc. Be sure that you are specific and cite examples from the movie. Paragraph 4: Discuss another aspect of filmmaking different from the one you discussed in paragraph 3. Paragraph 5: Give your overall reaction to the film as well as your opinion on the quality of the film. Include your recommendations for potential viewers | | | | |
|---|---|---|----------------------------------|--|--|
| | | | PROJECT WORK FOR | | |
| | | | YEAR 2025 ISC ENGLISH LITERAT | | |
| | WRITING SKILL (LENGTH 1000- 1500 WORDS) | | TOPIC | GUIDELINES TO BE FOLLOWED | |
| 1 | . Character Study & Contemporary Relevance of Wole Soyinka's <i>Telephone</i> <i>Conversation</i> | _ | CHARACTER ANALYSIS | Context & Relationship Where and how does the interaction take place? What is the nature of the relationship between the two characters? Background & Identity | |
| | | _ | | What do we learn about your character's social, racial, or cultural background? What can be inferred about their profession, role, or place in society? 3. Emotions & Expression | |
| | | | | What emotional shifts does your character experience during the conversation? How are these emotions communicated through language, tone, or silence. 4. Voice, Values & Beliefs What do the character's words and behaviour reveal about their personal values or biases? Do they reflect openness, prejudice, insecurity, pride, or something else? 5. Purpose & Change | |
| | | | | on a pose & change | |

| What was your character hoping to achieve at the start of the poem? Do they succeed in achieving that goal? Why or why not? Does the character(both or either of the two) change or learn something by the end? 6. Thematic Significance I low does your character help to highlight the theme of racial prejudice? In what ways does this theme remain relevant in today's world? ContextMPORARY RELEVANCE & RESEARCH COMPONENT CONTEMPORARY RELEVANCE & RESEARCH COMPONENT I INTRODUCTION COUTINE Theme/Character Analysis Theme/Character Analysis Theme/Character Analysis Theme/Character Analysis Theme/Character Analysis INTRODUCTION OUTINE Douting set on a struct of act 4, Scene 1 The Role of the Witches and Superatural influence Description of the Three Apparitions The The Show of Eight Kings Macbeth, Act 4, Scene 1 Theme/Character INTRODUCTION OUTINE Description of the Three Apparitions The Show of Eight Rings Meaning and dramatic impact Meachi's femotional Response Psychological change and descent into tyrany Thematic Connections Ambition, Fate, Legacy, and the Illusion of Control Character Analysis: Macbeth in this Scene His transformation and motives Relation to the Larger Narrative | | | | |
|---|---|---|----------------------|--|
| How does your character help to highlight the theme of racial prejudice? In what ways does this theme remain relevant in today's world? Collect and analyse data on the number of racial discrimination complaints registered in educational institutions or housing sectors over the past 5–10 years (based on RTI data, published reports, media sources, etc.). CONTEMPORARY RELEVANCE & RESEARCH COMPONENT Theme/Character Analysis Theme/Character Analysis Instructions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 The Role of the Witches and Supernatural Influence Description of the Tree Aparitions Their messages and symbolism Their messages and symbolism Their messages and symbolism 4 The Role of the Witches and Supernatural influence Meaning and dramatic impact Meaning and descent into tyranny Thematic Connections Ambition, Fate, Legacy, and the Illusion of Control Character Analysis: Macbeth in this Scene His transformation and motives | | | | achieve at the start of the poem? Do they succeed in achieving that goal? Why or why not? Does the character(both or either of the two) change or learn something by the |
| the theme of racial prejudice? In what ways does this theme remain relevant in today's world? Collect and analyse data on the number of racial discrimination complaints registered in educational institutions or housing sectors over the past 5–10 years (based on RTI data, published reports, media sources, etc.). CONTEMPORARY RELEVANCE & RESEARCH COMPONENT How do these patterns reflect the kind of biases portrayed in <i>Telephone</i> <i>Conversation</i>? INTRODUCTION OUTLINE Context of Act 4, Scene 1 The Role of the Witches and Supernatural Influence Description of the Three Apparitions The Show of Eight Kings Meaning and dramatic impact Meaning and dramatic impact Macbeth's Emotional Response Psychological change and descent into tyranny Thematic Connections Ambition, Fate, Legacy, and the Illusion of Control Character Analysis: Macbeth in this Scene His transformation and motives | | | | 6. Thematic Significance |
| ² Apparitions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 ² Apparitions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 ³ Theme/Character Analysis ⁴ The Show of Eight Kings in Macbeth, Act 4, Scene 1 ⁵ Their messages and symbolism ⁴ The Show of Eight Kings ⁴ Their messages and symbolism ⁴ The Show of Eight Kings ⁴ Their messages and symbolism ⁴ The Show of Eight Kings ⁴ Macheth's Emotional Response ⁴ Psychological change and descent into tyranny ⁴ Thematic Connections ⁴ Ambition, Fate, Legacy, and the Illusion of Control ⁴ Character Analysis: Macbeth in this Scene ⁴ His transformation and motives | | | | the theme of racial prejudice?In what ways does this theme remain relevant in today's world? |
| 2 Apparitions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 Theme/Character Analysis 1. INTRODUCTION 2 Apparitions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 Theme/Character Analysis 1. INTRODUCTION 2 Macbeth, Act 4, Scene 1 Theme/Character Analysis 1. INTRODUCTION 2 Apparitions and the Show of Eight Kings in Macbeth, Act 4, Scene 1 Theme/Character Analysis 1. INTRODUCTION 3 Macbeth, Act 4, Scene 1 The Role of the Witches and Supernatural Influence Description of the Three Apparitions 4 The Show of Eight Kings Meaning and dramatic impact Macbeth's Emotional Response 4 Psychological change and descent into tyranny Thematic Connections 4 4 His transformation and motives 4 His transformation and motives | | | | of racial discrimination complaints registered in educational institutions or housing sectors over the past 5–10 years (based on RTI data, published reports, |
| Analysis 2. OUTLINE Context of Act 4, Scene 1 The Role of the Witches and Supernatural Influence Description of the Three Apparitions Their messages and symbolism The Show of Eight Kings Meaning and dramatic impact Macbeth's Emotional Response Psychological change and descent into tyranny Thematic Connections Ambition, Fate, Legacy, and the Illusion of Control Character Analysis: Macbeth in this Scene His transformation and motives | | | RELEVANCE & RESEARCH | biases portrayed in Telephone |
| of Control Character Analysis: Macbeth in this Scene His transformation and motives | 2 | and the Show of Eight Kings in <i>Macbeth</i> , | | 2. OUTLINE Context of Act 4, Scene 1 The Role of the Witches and Supernatural Influence Description of the Three Apparitions Their messages and symbolism The Show of Eight Kings Meaning and dramatic impact Macbeth's Emotional Response Psychological change and descent into tyranny Thematic Connections |
| | | | | of Control Character Analysis: Macbeth in this |
| Relation to the Larger Narrative | | | | |
| | | | | Relation to the Larger Narrative |

| | • • • | |
|----|--------------|--|
| 3. | Conclusion | |
| э. | Conclusion | |
| | | |

> MATHS

Project -

- 1. Inverse trigonometric functions their principal values and graphs.
- 2. (For science students)

Vector Product – Geometrical interpretation properties.

Finding vector area of a triangle and a parallelogram.

3. (For commerce students)

Linear programming – Graphical solution of a linear inequations .

Holiday homework -

- 1. Inverse trigonometric functions ISC questions from Question 1 to 25.
- 2. Determinants ISC Questions from Question 1 to 19.
- 3. Matrices ISC Questions from Question 1 to 29.
- Physical Education

Project Work: Detailed Report on Any Three Games

Requirement:

Prepare detailed handwritten reports on any three games in a spiral-bound file. Each game must

cover 10 full pages (with neat handwriting, diagrams, and proper headings).

Choose Any 3 Games from the List Below:

- Cricket
- Football
- Volleyball
- Basketball
- Badminton
- Hockey

Structure for Each Game (10 Pages):

- 1. Introduction and History
- 2. Objectives of the Game
- 3. Rules and Regulations
- 4. Field/Court Dimensions with Diagram
- 5. Number of Players and Their Roles
- 6. Officials (Referees/Umpires) and Their Duties
- 7. Skills and Techniques
- 8. Equipment Used
- 9. Major Tournaments (National & International)

Note:- Write the chapter number 1,2 & 3 in workbook.

Computer Science (ISC)

🚰 Holiday Homework Assignment

Topics: Boolean Algebra & Java Programming (Arrays, Strings)

🔽 Section A: Boolean Algebra (Theory & Application)

- 1. Simplify the following Boolean expressions using Boolean laws:
 - a) A'B + AB' + AB
 - b) (A + B)(A + C)
 - c) A + AB
 - d) A'B + AB
- 2. Draw logic gate diagrams for the simplified expressions above.
- 3. Create truth tables for the following expressions:
 - a) $A \oplus B$ (XOR)
 - b) (A + B)'
 - c) A(B+C')
- **4.** Write a short note (100-150 words) on the importance of Boolean Algebra in Computer Science and Digital Electronics.

Section B: Java Programming (Practical)

Part 1: Arrays

- 1. Write a Java program to:
 - a) Accept 10 integers in an array and display the largest and smallest number.
 - b) Accept an 1 D array of integers of size 20 and sort them in ascending order using Bubble sort.
 - \circ $\,$ c) Accept an array and print only the prime numbers.

Part 2: Strings

- 2. Write Java programs for the following:
 - a) Check whether a given string is a **Palindrome** (e.g., *madam*)
 - o b) Count the number of **vowels, consonants, digits, and spaces** in a sentence.
 - c) Accept a sentence and print the **longest word** in it.

Part 3: Logical Programs

\circ $\;$ Check for an Armstrong Number $\;$

✓ Definition: A number is said to be an Armstrong number if the sum of the cubes of its digits is equal to the number itself.

Example: 153 = 1³ + 5³ + 3³ = 1 + 125 + 27 = 153

o Print Fibonacci Series up to N terms

✓ **Definition:** Fibonacci Series is a series where the next term is the sum of the previous two terms. Example: 0, 1, 1, 2, 3, 5, 8...

A Instructions

- All programs must be written in Java with proper comments.
- Output screenshots or sample runs must be attached for each program.
- Submit handwritten work for Boolean Algebra theory, coding and printed outputs for Java programs.
- Originality will be rewarded; **no plagiarism**.

Commerce XII

Project Work

Every time you do a Project, you learn something new.

Justin Timberlake, US Pop Musician and Actor.

Format of Project Report

1. Inside cover title: This may be just like your cover page and should include the following

information.

| Name: | |
|------------------------|---|
| Guide/Teacher concerne | d |
| School: | |
| Class: | |
| Roll No: | |

Acknowledgements

We would really like to thank our teacher, Mr. or Mrs. (Teacher Name), for helping us to finish our science project on (Mention Your Project Topic). I also want to thank our

principal Sr. Merlin for giving me the opportunity to work on this project. I also want to express my gratitude to my parents and friends for their valuable and support throughout this project. Finally, I'd like to express my gratitude to everyone who contributed to this project's success.

Your Name:

Roll No.:

Certificate

This is to certify that Mr. /Ms.....of Class

XII......b as completed his/her Project under my supervision. He /She has taken proper care and shown utmost sincerity in completion of this project. I certify that this project is upto my expectation and as per the guidelines issued by CISCE.

Ms.

Signature Signature Project Guide Index Introduction Conclusion Bibliography

Class XII (Commerce)

Topic 1

TOPIC 1. Compare marketing strategies adopted by two different companies of the same industry (FMCG/Telecommunication /Media/Education industry, etc) keeping in mind the following:

- Product mix
- Price mix
- Place mix
- Promotion mix

Topic 2

Collect newspaper/magazine clippings of five cases filed by consumers in the Consumer Court. Find out the rights violated, and the redressal mechanism used.

What was the outcome of each case?

Main headings 16 Sub headings 14

Content. 12

Pages : 20 to 30 HOLIDAY HOMEWORK:-

- Solve all the exercises given at the back of the chapter 1&2.
- Revise all the chapters taught.

Economics project

Do any two topics.

- 1. Demand and law of demand
 - -Meaning
 - -determinants
 - -law of demand
 - -movement along and shift of the demand curve
 - -How price changes affect consumer demand for its local product.

- 2. Commercial banks
 - -Meaning
 - Functions
 - credit creation process
- 3. Monopolistic competition
 - -Meaning
 - -features
 - case study of local business.

Holiday home work

- 1. Complete the project .
- 2. Learn and revise the chapters taught.

Accountancy

Make a project on the following topics.

- 1. Preparation of Journal, Ledger, Trial balance and financial statements of a partnership form of business on the basis of a case study.
- 2. Preparation of a cash flow statement with the help of audited/ unaudited/ imaginary Balance Sheet for two consecutive accounting years.
- 3. Preparation of a common size and comparative income statement of profit and loss and balance sheet of a company.
- 4. "Using the audited, unaudited, or imaginary financial results of any leading company, calculate its liquidity, solvency, activity, and profitability ratios for two consecutive years, and present a graphical comparison of the ratios for both years."

Note:

- "Take data from two different leading companies."
- > "The project should be handwritten and done on A4-size sheets."
- > Biology
- BIOLOGY PROJECT:

Complete Project as per the guidelines provided by the teacher on any one topic mentioned in the syllabus.

• HOLIDAY HOMEWORK:

questions dictated by teacher in the notebook.

• Practical file:

Write experiments done in the practical file .

- Learn and revise chapter 1, 2, 3 and '4
- Prepare a working/still model of Biology
- Solve board paper of year 2019 , 2023,2024,2025

> Chemistry

1. Make a project on any one of the topic given in the class.

2. Complete your numericals of chapter 1 and 2

write answers of

3. Revise all the chapters taught.

4 . Write the experiments done in your practical file.

Physics

- Make a complete project on any one of the topics given in the class .
- Solve the numericals of chapters 2, 3, 4 and 5.
- Learn and revise the derivations and short answers of chapters 2,3,4 and 5.

History Project

Guidelines:

- Word limit: 1,500–2,000 words.
- Must include analysis, interpretation, and evaluation of sources.
- Use pictures, maps, timelines where relevant.
- Should be handwritten unless your school allows typed.

Suggested Topics (choose Two):

- Impact of the Non-Cooperation Movement.
- Role of Subhas Chandra Bose and the INA.
- Partition of India: Causes and Consequences.
- Role of Women in the Indian Freedom Movement.
- Cold War: Causes, Events, and Impact.

Suggested Structure:

- 1. Cover Page (Title, Name, Roll No., School, Year)
- 2. Acknowledgment
- 3. Certificate
- 4. Introduction
- 5. Main Content (with headings/subheadings)
- 6. Conclusion
- 7. Bibliography
- 8. Appendix (if any)

2. Holiday Homework

Assignment:

- Write an essay on: "How the Revolt of 1857 laid the foundation for Indian nationalism."
- Make a timeline of major events from 1857 to 1947.

> Political Science Project

Guidelines:

- Word limit: 1,500–2,000 words.
- Must include analysis, interpretation, and evaluation of sources.

- Use pictures, maps, timelines where relevant.
- Should be handwritten unless your school allows typed.

Suggested Topics (choose Two):

- Role of election commission in strengthening Indian democracy
- The Role and powers of the president of India
- Women in Indian politics representation and barriers
- Electoral reforms in India:Need progress and challenges

Suggested Structure:

- 9. Cover Page (Title, Name, Roll No., School, Year)
- 10. Acknowledgment
- 11. Certificate
- 12. Introduction
- 13. Main Content (with headings/subheadings)
- 14. Conclusion
- 15. Bibliography
- 16. Appendix (if any)

2. Holiday Homework

Assignment:

- Learn and revise whatever is done in class.
- > PSYCHOLOGY PROJECT

Project Title:

"Knowing the Goal: A Psychological Inquiry into the Impact of Performance Feedback on Human Motivation and Accuracy"

Project Description

This project will explore how knowledge of results (feedback) influences human performance and motivation through a psychological lens. You will replicate the line-drawing experiment where participants attempt to draw a 15 cm line under two conditions—**first without feedback**, and then **with feedback after each attempt**.

You will:

- Record and graph the changes in accuracy over 10 trials in each condition.
- Analyse the results to see how knowledge of performance affects motivation, estimation accuracy, and goalsetting.
- Reflect on psychological theories of learning, reinforcement, and feedback in relation to their findings.

Objective:

To investigate how performance improves when a subject receives **feedback** about the accuracy of their task. Specifically, this experiment explores whether **knowing the outcome** of one's actions helps improve accuracy and learning over time.

Background:

You will conduct an experiment that investigates the **Effect of Knowledge of Result on Performances**. The idea is to observe how people improve when they receive feedback about their performance and how they perform when they are kept unaware.

Your Task:

- 1. Formulate a Hypothesis
 - E.g., "Knowledge of performance improves accuracy and enhances motivation."
- 2. Select a Subject (Participant)
 - Record basic details:
 - o Name
 - o Age
 - Education level
 - o Date
 - Place

3. Prepare Materials:

- White paper or aperture board
- Pencil (without scale markings)
- Ruler (for measuring line length)
- Scale for accuracy
- Recording sheet for attempts and measurements

4. Conduct the Experiment:

- **Phase 1:** Ask the subject to draw a 15 cm line by estimation (without any feedback). Repeat 10 times.
- **Phase 2:** Repeat the task, but after each attempt, tell the subject how close or far they were from 15 cm. Again, 10 trials.

5. Record Results:

- Use a table to track line lengths in each attempt (for both phases).
- Convert the data into a graphical form for visual comparison.

6. Analyze & Discuss:

- Compare the subject's performance across both conditions.
- Comment on motivation, accuracy, and learning improvement.

7. Conclusion:

- Based on your results, what can you say about the role of feedback in learning and motivation?
- Relate your findings to psychological concepts of reinforcement and goal-setting.

Final Submission Must Include:

- Title page
- Hypothesis
- Subject details
- Apparatus and materials used

- Procedure followed
- Result tables
- Graphical representation
- Discussion and analysis
- Conclusion
- Personal reflection or subject's experience (optional but appreciated)

