



**The Punjab Public School Nabha
Holiday Home Work**

Winter Break (Dec 2024– Jan 2025)

Class-XI A, B & C

ENGLISH

Attempt any three of the following in your Literature Notebook: (1000 words each)

1. Discuss how the two stanzas of the poem, 'Death of a Naturalist' by Seamus Heaney mark a transition of the speaker from childhood to adolescence.
2. 'I am the enemy you killed, my friend.' Explain the paradox as brought out in the poem, 'Strange Meeting' by Wilfred Owen.
3. Write the character sketch of Macbeth based on Act-I and Act-II.
4. Draw the character sketch of Mrs Luella Bates Washington Jones as brought out in the story, 'Thank You, Ma'am' by Langston Hughes.

Note:

Please solve Terminal Papers (Language & Literature) in your Language and Literature notebooks separately.

MATHEMATICS

NOTE: DO THE HOLIDAY HOME-WORK IN A SEPARATE NOTE BOOK.

SR NO	CHAPTER'S NAME	EXERCISE	QUESTIONS
1.	Functions	Example: 49 Example: 51 Exercise: 2(D) Exercise: 2(E) Exercise: 2(F)	Q10, Q11 & Q12 Q10, Q11 & Q15 Q6 (All parts) Q7 (All parts)
2.	Trigonometric Functions	Exercise 4(D)	Q1 (Even parts) Q2 (Odd parts) Q4, Q8 & Q9
3.	Compound & Multiple Angles NOTE: Learn and write all the formulae given on (pg 5.32 & pg 5.33)	Exercise: 5(A) Exercise: 5(B) Exercise: 5(C)	Q6 to Q10 Q11 to Q 15 Q2, Q7 & Q10
4.	Trigonometric Equations	Exercise: 6(A)	Q7 to Q11
5.	Quadratic Equations	Exercise: 10(F)	Q5, Q7, Q8 & Q9
6.	Inequalities	Exercise: 11(D) Exercise: 11(E)	Q10 to Q14 Q7 to Q11 & Q17 to Q19
7.	Permutations & Combinations	Exercise: 12(D)	Q4, Q5 & Q7 to Q9

PHYSICS

Solve terminal exam paper of physics

- 2) Derive
 - A) elastic collision in 1 dimension
 - B) Three equations of motion by graphical method
 - C) Triangle law of vector addition with special cases
 - D) Motion of body in vertical circle
 - E) work energy theorem
 - F) orbital velocity time period KE PE and TE of satellite moving around earth
 - G) work done in stretching a wire
 - H) terminal velocity
- 3) Explain applications of Bernoulli theorem
- 4) Solve all numerical of chapter thermodynamics (chapter no 19 to 21)
- 5) Make a project report on any one topic of physics (handwritten report of 10 to 12 pages) in a separate folder

CHEMISTRY**Do your holiday homework in a separate notebook**

1. Solve terminal question paper.
2. Write and learn all the formulas from the chapters:
 - (a) Some basic concept of chemistry
 - (b) Structure of atom
 - (c) States of matter
 - (d) Equilibrium
3. Solve the numerical from exercise of the following chapters:
 - (a) Equilibrium
 - (b) Structure of atom
4. Read and learn the following chapters:
 - (a) Organic chemistry: some basic principles and techniques.
 - (b) Hydrocarbon

BIOLOGY

(1) Project:

- (i) Decoding the Host-Parasite Interaction during Erythrocyte Invasion by Plasmodium falciparum in Human malaria.

(ii) Meiosis

(2) Make a ppt on Human Excretory system. .

COMMERCE

Assignment 1

Complete the Commerce Terminal Paper (in your class notebooks)

Assignment 2

INSTRUCTIONS regarding Submission of Project Work

Students are expected to submit project files after winter vacations on the very first day

Project work must be handwritten

Project Assignment: (The assignment must be of at least 20 pages in proper file)

The assignment covers Acknowledgement, Index,

Stock Exchange: meaning and history,

Part I

BSE, NSE, NIFTY, Services of stock exchange, SEBI: functions, Terminologies used.

Part II

Write a brief profile of any twenty listed companies which are performing well at present.

Part III

DEMAT Account: meaning, features ,types and benefits.

ACCOUNTS

Project#2 – Accounting Cycle

Instructions for completing the project work

- Project work must be completed neatly. All lines must only be drawn with a scale
- Coloured sheets should not be used for project work
- Total minimum pages in the project work should be 15.

- The file should be arranged in the following order
 - Title page (Title of the project, Student name, H-No, Class, Teacher name). Title page must not be handwritten. It should be computer printed
 - Index (all pages in project file must be numbered)
 - Acknowledgements
 - Project work

Part I – Accounting Concepts and Principles

- Draw a circular flow chart depicting the Accounting Cycle
- Write in detail all Accounting concepts and principles

Part II – Books of Accounts

Anil always had a passion to set-up a business of his own. On 1st April, 2023 he started his venture as a book dealer dealing in books of all categories. He also started maintaining a rough record of his transactions. His knowledge of accounting is limited and he is not well versed with the double-entry system.

He has sought your help in preparing his books of accounts from his transactions for the given year.

2023 1 st April	Started business. Private building worth 3,00,000 converted into book store. Also introduced 2,00,000 cash for business transactions. A new bank account was opened for business purpose and 4,00,000 was deposited in the same
2 nd April	Taken a bank loan of 5,00,000
5 th April	Purchased goods on credit from Sahil worth 4,50,000
8 th April	Purchased new laptop for book store worth 30,000
12 th May	Purchased goods costing 1,00,000. Payment was done by cheque
30 th May	Sahil's account settled by issuing cheque worth 4,45,000
1 st June	Cash Sales 3,00,000. The amount was banked on June 2 nd .
25 th July	Books worth 5,000 given to a school for underprivileged children free of cost
1 st August	A chair costing 10,000 was brought from home for use in book store.
10 th August	Withdrawn cash from bank for office use 1,00,000
31 st August	Rs 50,000 were withdrawn from bank for private use.
12 th September	Credit sales to Dev 3,00,000
15 th September	Dev returned goods worth 20,000 for not being as per the specifications

30 th September	Received cash from Dev on account 2,00,000
1 st October	Goods purchased worth 1,00,000. Trade discount amounted to 10% Carriage inwards 4,000
15 th October	Salary paid to employee that was hired for book store 20,000
1 st November	Goods worth 1,00,000 purchased from Jai
2 nd November	Defective goods worth 10,000 returned to Jai
5 th November	Jai's account settled through cheque amounting to 85,000
20 th November	Credit Sales to Deepak 4,00,000 Carriage paid in cash 10,000
30 th November	Only 90% of the amount could be recovered from Deepak, the remaining being bad debts
2024 1 st January	Repairs carried out on building 8,000
10 th January	Goods costing 2,000 were stolen from the book store
1 st February	Rs 5,000 were paid for advertisement of book store
10 th February	Rent paid for hiring a book binding machine 20,000
1 st March	Depreciation on building 30,000
15 th March	Miscellaneous expenses 15,000

On the basis of transactions given, you are required to prepare the following:

- a) Journal (it is mandatory to pass the necessary closing entries at the end of the year)
- b) Ledger
- c) Triple-column cash book
- d) Purchase book
- e) Sales book

Part III – Final Accounts

Step 1 - Close all the books of accounts prepared in Part II appropriately

Step 2 - Draw up the Trial Balance for Anil on 31st March, 2024.

Step 3- Write down the following “Adjustments” **below** the drafted trial balance

- 1) Closing Stock was valued at 10,000 as per the books (The market value of the same amounted to 8,000)
- 2) Dev, a debtor declared that he will not be able to pay 30,000 out of the total amount due by him
- 3) Rs 3,000 included in miscellaneous expenses were paid in advance for next year.
- 4) Rs 5,000 rent for book binding machine was still outstanding
- 5) Salary amounting to 15,000 was still outstanding

- 6) There was a fire in book store in the last week of March, Books worth 2,000 were damaged in the fire.

Step 4- From the “Trial Balance” drafted in Step 2 and “Adjustments” given in Step 3, prepare the following:

- Trading and Profit & Loss Account for the year ended 31st March, 2024
- Balance Sheet of Anil as at 31st March, 2024

Part IV – Comments

Write in the form of bullet points your observations about the profitability and position of Anil’s business at the end of first year. Do you think he should continue his business? Write any suggestions or inputs for him to improve his profitability and position.

(Part IV should not exceed one page)

ECONOMICS

Topic: Digital Currency and Commercial Banks

The project should include the following contents:

- Digital currency as the form of money.
- Commercial banks: number of public and private sector commercial banks in India, functions performed by the commercial banks in detail.

POLITICAL SCIENCE

Write in your notebook

1. State and its elements
2. Features and criticism of liberalism and Marxism
3. Cold war (case history)
4. India and its neighbors (South Asia)

Contemporary trends

5. Alternative centers of power

GEOGRAPHY

Draw the following statistical diagram in a practical file.

1. Line graph
2. Line and bar graph

3. Multiple bar diagram, horizontal and compound bar diagram.
4. Pie diagram Write their method of drawing, advantages and disadvantages.

SOCIOLOGY

1. Revise and write the following questions and answers in your Sociology notebook:

1. Subject Matter of Sociology
2. Scope of Sociology
3. Nature of Sociology
4. Law of Three Stages (by Auguste Comte)
5. Socialization and Its Importance
6. Status: Nature of Status

2. Project File Topics

Prepare a project file on any one of the following topics:

1. Impact of Media on Social Life
2. Farmer Protest in Punjab
3. Reasons for Youth Migration
4. Effect of Social Media on Parent-Child Relationships
5. Awareness of Career Choices Among Students
6. Reasons for Marriage Breakups and Increasing Divorce Rates
7. Reasons for the Breakdown of Joint Families into Nuclear Families
8. Factors Leading to the Changing Culture of Your State
9. Social and Political Conflicts Between Nations

Format of Project File

1. Index

A list of contents with page numbers for easy navigation.

2. Introduction (2 Pages)

Provide an overview of your topic. Explain:

- What the topic is about.
- Why it is important.

3. Review of Literature (1 Page)

A detailed examination of what others have already learned about the topic to help understand it better.)

4. Objectives (Write brief 2–3 Objectives only)

Clearly state what you aim to achieve through this project.

5. Research Methodology

Explain the methods and techniques you used for the research. Include:

- Primary Research: Surveys, interviews, or experiments conducted by you.
- Secondary Research: Data collected from books, articles, newspapers, and online sources.

6. Findings (3 Pages)

Present the results of your research. Use:

- Bullet points or paragraphs to summarize key insights.
- Optional- Tables, charts, or graphs if applicable to make the findings clearer.

7. Conclusion (1 Page)

Summarize the overall outcomes of your research:

- What you learned from the study.
- How it relates to your objectives.
- The significance of your findings.

8. Suggestions (2–3 Suggestions)

Provide recommendations or solutions based on your findings.

9. Appendix

Include supporting materials like:

- Relevant pictures.
- Newspaper cuttings.
- Screenshots of online articles.

(Note: Ensure the appendix is well-organised, with captions or descriptions for each image.)

(For any queries, kindly contact me on my WhatsApp no. Or email id kaurharsimran61@gmail.com)

PSYCHOLOGY

The students are expected to research on various types of Personality disorders. They are expected to give an overview of the disorders, their symptoms, and their causes. The study needs to be compiled in a booklet form

HISTORY

- Students are expected to prepare project file on the assigned topics.
- The file must consist of 40 pages with 25 pages of written content and 15 pages comprising of illustrations.
- Research material and synopsis to be approved. Kindly share these on grewalkulbirkaur@gmail.com. After approval project file to be prepared.