



The Laurence School, Lovedale

HOLIDAY ASSIGNMENT - JUNE 2025

CLASS XII

ENGLISH

Guidelines

As part of the Internal Assessment for Class XII English Core, students are required to undertake a research-based project based on the literary texts prescribed in the CBSE curriculum. This project aims to enhance critical thinking, creativity, and analytical skills through independent study and reflection on the themes explored in their English course.

The following topic has been assigned for this purpose. All students are expected to complete the project during the summer vacation and submit the finished work on the first day of school following the vacation.

Students are advised to adhere to the given format and ensure that the project is original, handwritten, and approximately 1000 words in length.

Topic:

"Silence, Resistance, and Lost Voices: A Study of Oppression and Awakening in 'Lost Spring', 'The Last Lesson', and 'Keeping Quiet'"

Objective:

To explore how oppression—social, political, or cultural—leads to silence or resistance, and how these literary works encourage awareness, reflection, and transformation through silence, language, or rebellion.

Project Format (Handwritten, 1000 Words)

[Cover Page]

- **Project Title**
- Name of Student
- Class: XII
- Subject: English Core
- Roll Number
- School Name
- CBSE Board
- Academic Year: 2024–25

1. Certificate (Sample)

Certificate

This is to certify that [Student Name], a student of Class XII, has successfully completed the English Core project titled **"Silence, Resistance, and Lost Voices: A Study of Oppression and Awakening"**, under the guidance of [Teacher's Name], during the academic year 2025–26.

The project is a result of original research and work and has been prepared in accordance with the guidelines provided by CBSE.

[Signature of Student]

[Signature of Teacher]

Date:

School Stamp

2. Acknowledgement (*Sample*)

I would like to express my heartfelt gratitude to my English teacher, [Teacher's Name], for their valuable guidance, encouragement, and continuous support throughout this project.

I also thank thefor introducing this project-based learning, which allowed me to explore literature through real-life perspectives.

Lastly, I thank my family and friends for their moral support.

[Student Name]

3. Table of Contents

| S. No. | Topic |
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| 1. | Introduction |
| 2. | Objectives of the Study |
| 3. | Brief Overview of the Texts |
| 4. | Themes of Silence and Resistance |
| 5. | Analysis: Lost Spring |
| 6. | Analysis: The Last Lesson |
| 7. | Analysis: Keeping Quiet |
| 8. | Comparative Insights |
| 9. | Conclusion |
| 10. | Bibliography |

4. Project Body (Handwritten, ~1000 words)

1. Introduction (100 words)

Brief introduction about the importance of voice, silence, and resistance in literature.

2. Objectives (50 words)

- To explore themes of oppression and awakening
- To analyze how silence and resistance are portrayed in the selected texts
- To understand how these themes relate to contemporary society

3. Overview of the Texts (150 words)

- *Lost Spring* – about child labor and poverty
- *The Last Lesson* – linguistic and cultural suppression
- *Keeping Quiet* – a call for silence, introspection, and peace

4. Themes of Silence and Resistance (100 words)

Introduce how each text uses silence or resistance metaphorically or literally.

5. Analysis: Lost Spring (150 words)

Discuss the social oppression of children, the voicelessness of the poor, and how the narrative exposes systemic injustice.

6. Analysis: The Last Lesson (150 words)

Explore how losing language equals losing identity, and how silence becomes both imposed and resisted in the story.

7. Analysis: Keeping Quiet (150 words)

Pablo Neruda's poem as a philosophical reflection on peace, stillness, and self-awareness as a form of resistance to modern chaos.

8. Comparative Insights (100 words)

Compare and contrast how the authors deal with silence and awakening in different social and political contexts.

9. Conclusion (50 words)

Summarize the insights on how literature gives voice to the oppressed and inspires introspection and change.

5. Bibliography (*Sample*)

- CBSE Class XII Flamingo Textbook
- Interviews (where applicable)
- NCERT Notes and Reference Material
- [Optional] Any relevant articles (e.g., from newspaper or magazines etc.)

BUSINESS STUDIES

PROJECT WORK IN BUSINESS STUDIES FOR CLASS XII Introduction

The course in Business Studies is introduced at Senior School level to provide students with a sound understanding of the principles and practices bearing in business (trade and industry) as well as their relationship with the society. Business is a dynamic process that brings together technology, natural resources and human initiative in a constantly changing global environment. With the purpose to help them understand the framework within which a business operates, and its interaction with the social, economic, technological and legal environment, the CBSE has introduced Project Work in the Business Studies Syllabus for Class XII. The projects have been designed to allow students to appreciate that business is an integral component of society and help them develop an understanding of the social and ethical issues concerning them.

The project work also aims to empower the students to relate all the concepts with what is happening around the world and the student's surroundings, making them appear more clear and contextual. This will enable the student to enjoy studies and use his free time effectively in observing what's happening around.

By means of Project Work the students are exposed to life beyond textbooks giving them opportunities to refer materials, gather information, analyze it further to obtain relevant information and decide what matter to keep.

Objectives

After doing the Project Work in Business Studies, the students will be able to do the following:

- develop a practical approach by using modern technologies in the field of business and management;
- get an opportunity for exposure to the operational environment in the field of business management and related services.
- inculcate important skills of team work, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions
- get involved in the process of research work; demonstrate his or her capabilities while working independently and
- make studies an enjoyable experience to cherish.

MANDATORY

- PRIMARY RESEARCH AND SECONDARY RESEARCH
- PICTURES, TOOLS, CASE STUDIES ETC

I. Project One: Elements of Business Environment

The teachers should help the students in selecting any one element of the following:

1. Changes witnessed over the last few years on mode of packaging and its economic impact. The teacher may guide the students to identify the following changes:

- a) The changes in transportation of fruits and vegetables such as cardboard crates being used in place of wooden crates, etc. Reasons for above changes.
- b) Milk being supplied in glass bottles, later in plastic bags and now in tetra-pack and through vending machines.
- c) Plastic furniture [doors and stools] gaining preference over wooden furniture.
- d) The origin of cardboard and the various stages of changes and growth.
- e) Brown paper bags packing to recycled paper bags to plastic bags and cloth bags. f) Re use of packaging [bottles, jars and tins] to attract customers for their products.
- g) The concept of pyramid packaging for milk.
- h) Cost being borne by the consumer/manufacturer. i) Packaging used as means of advertisements.

2. The reasons behind changes in the following:

Coca – Cola and Fanta in the seventies to Thums up and Campa Cola in the eighties to Pepsi and Coke in nineties.

The teacher may guide the students to the times when India sold Coca Cola and Fanta which were being manufactured in India by the foreign companies.

The students may be asked to enquire about

- a) Reasons of stopping the manufacturing of the above-mentioned drinks in India THEN. b) The introduction of Thums up and Campa cola range.
- c) Re entry of Coke and introduction of Pepsi in the Indian market.
- d) Factors responsible for the change. e) Other linkages with the above.
- f) Leading brands and the company having the highest market share. g) Different local brands venturing in the Indian market.
- h) The rating of the above brands in the market.
- i) The survival and reasons of failure in competition with the international brands. j) Other observations made by the students

3. Changing role of the women in the past 25 years relating to joint families, nuclear families, women as a bread earner of the family, changes in the requirement trend of mixers, washing machines, micro wave and standard of living.

4. The changes in the pattern of import and export of different Products.

5. The trend in the changing interest rates and their effect on savings.

6. A study on child labour laws, its implementation and consequences.

7. The state of 'anti plastic campaign,' the law, its effects and implementation.

8. The laws of mining /setting up of industries, rules and regulations, licences required for running that business.

9. Social factors affecting acceptance and rejection of an identified product. (Dish washer, Atta maker, etc)

10. What has the effect of change in environment on the types of goods and services?

The students can take examples like:

- a) Washing machines, microwaves, mixers and grinder. b) Need for crèche, day care centre for young and old.

c) Ready to eat food, eating food outside, and tiffin centres.

11. Change in the man-machine ratio with technological advances resulting in change of cost structure.

12. Effect of changes in technological environment on the behaviour of employee.

II. Project Two: Principles of Management

The students are required to visit any one of the following:

1. A departmental store.
2. An Industrial unit.
3. A fast food outlet.
4. Any other organisation approved by the teacher.

They are required to observe the application of the general Principles of management advocated by Fayol.

Fayol's principles

1. Division of work.
2. Unity of command.
3. Unity of direction.
4. Scalar chain
5. Esprit de corps
6. Fair remuneration to all.
7. Order.
8. Equity.
9. Discipline
10. Subordination of individual interest to general interest.
11. Initiative.
12. Centralisation and decentralisation.
13. Stability of tenure.
14. Authority and Responsibility

OR

They may enquire into the application of scientific management techniques by F.W. Taylor in the unit visited.

Scientific techniques of management.

1. Functional foremanship.
2. Standardisation and simplification of work.
3. Method study.
4. Motion Study.
5. Time Study.
6. Fatigue Study
7. Differential piece rate plan.

The observations could be based on

The different stages of division of work resulting to specialisation.

Following instructions and accountability of subordinates to higher authorities. Visibility of order and equity in the unit.

Balance of authority and responsibility. Communication levels and pattern in the organisation.

Methods and techniques followed by the organisation for unity of direction and coordination amongst all.

Methods of wage payments followed. The arrangements of fatigue study. Derivation of time study. Derivation and advantages of method study.

Organisational chart of functional foremanship. Any other identified in the organisation

It is advised that students should be motivated to pick up different areas of visit.

The students may be encouraged to develop worksheets. prepare observation tools to be used for undertaking the project.

Examples: worksheets, questionnaire, interviews and organisational chart etc.

III. Project Three: Stock Exchange

The purpose of this project is to teach school students the values of investing and utilising the stock market. This project also teaches important lessons about the economy, mathematics and financial responsibility.

The basis of this project is to learn about the stock market while investing a specified amount of fake money in certain stocks. Students then study the results and buy and sell as they see fit.

This project will also guide the students and provide them with the supplies necessary to successfully monitor stock market trends and will teach students how to calculate profit and loss on stock.

The project work will enable the students to:

understand the topics like sources of business finance and capital market understand the concepts used in stock exchange

inculcate the habit of watching business channels, reading business journals/newspapers and seeking information from their elders.

The students are expected to:

a) Develop a brief report on History of Stock Exchanges in India. (your country)

b) Prepare a list of at least 25 companies listed on a Stock Exchange.

c) To make an imaginary portfolio totalling a sum of Rs. 50,000 equally in any of the 5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

They will understand the weekly holidays and the holidays under the Negotiable Instruments Act.

They will also come across with terms like closing prices, opening prices, etc.

During this period of recording students are supposed to distinctively record the daily and starting and closing prices of the week other days under the negotiable instrument act so that they acquire knowledge about closing and opening prices.

The students may conclude by identifying the causes in the fluctuations of prices. Normally it would be related to the front page news of the a business journal, for example,

Change of seasons. Festivals.

Spread of epidemic. Strikes and accidents

Natural and human disasters.

Political environment.

Lack of faith in the government policies.

Impact of changes in government policies for specific industry. International events.

Contract and treaties at the international scene. Relations with the neighbouring countries.

Crisis in developed countries, etc.

The students are expected to find the value of their investments and accordingly rearrange their portfolio. The project work should cover the following aspects.

1. Graphical presentation of the share prices of different companies on different dates.
 2. Change in market value of shares due to change of seasons, festivals, natural and human disasters.
 3. Change in market value of shares due to change in political environment/ policies of various countries/crisis in developed countries or any other reasons
 4. Identify the top ten companies out of the 25 selected based on their market value of shares.
- It does not matter if they have made profits or losses.

IV. Project Four: Marketing

1. Adhesives
2. Air conditioners
3. Baby diapers
4. Bathing Soap
5. Bathroom cleaner
6. Bike
7. Blanket
8. Body Spray
9. Bread
10. Breakfast cereal
11. Butter
12. Camera
13. Car
14. Cheese spreads
15. Chocolate
16. Coffee
17. Cosmetology product
18. Crayons
19. Crockery
20. Cutlery
21. Cycle
22. DTH
23. Eraser
24. e-wash
25. Fairness cream
26. Fans
27. Fruit candy
28. Furniture
29. Hair Dye
30. Hair Oil
31. Infant dress

32. Inverter
33. Jams
34. Jeans
35. Jewellery
36. Kurti
37. Ladies bag
38. Ladies footwear
39. Learning Toys
40. Lipstick
41. Microwave oven
42. Mixers
43. Mobile
44. Moisturizer
45. Music player
46. Nail polish
47. Newspaper
48. Noodles
49. Pen
50. Pen drive
51. Pencil
52. Pickles
53. Razor
54. Ready Soups
55. Refrigerator
56. RO system
57. Roasted snacks
58. Salt
59. Sarees
60. Sauces/ Ketchup
61. Shampoo
62. Shaving cream
63. Shoe polish
64. Shoes
65. Squashes
66. Suitcase/ airbag
67. Sunglasses
68. Tea
69. Tiffin Wallah
70. Toothpaste
71. Wallet
72. Washing detergent
73. Washing machine
74. Washing powder
75. Water bottle
76. Water storage tank
77. Wipes

Any more as suggested by the teacher.

The teacher must ensure that the identified product should not be items whose consumption/use is discouraged by the society and government like alcohol products/pan masala and tobacco products, etc.

Identify one product/service from the above which the students may like to manufacture/provide [pre-assumption].

Now the students are required to make a project on the identified product/service keeping in mind the following:

1. Why have they selected this product/service?
2. Find out '5' competitive brands that exist in the market.
3. What permission and licences would be required to make the product?
4. What are your competitors Unique Selling Proposition.[U.S.P.]?
5. Does your product have any range give details?
6. What is the name of your product?
7. Enlist its features.
8. Draw the 'Label' of your product.
9. Draw a logo for your product.
10. Draft a tag line.
11. What is the selling price of your competitor's product?
 - (i) Selling price to consumer
 - (ii) Selling price to retailer
 - (iii) Selling price to wholesaler

What is the profit margin in percentage to the Manufacturer. Wholesaler. Retailer.

12. How will your product be packaged?
13. Which channel of distribution are you going to use? Give reasons for selection?
14. Decisions related to warehousing, state reasons.
15. What is going to be your selling price?
 - (i) To consumer
 - (ii) To retailer
 - (iii) To wholesaler
16. List 5 ways of promoting your product.
17. Any schemes for
 - (i) The wholesaler
 - (ii) The retailer
 - (iii) The consumer
18. What is going to be your 'U.S.P?
19. What means of transport you will use and why?
20. Draft a social message for your label.

21. What cost effective techniques will you follow for your product.

22. What cost effective techniques will you follow for your promotion plan.

At this stage the students will realise the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing.

Product

Place

Price

Promotion

On the basis of the work done by the students the project report should include the following:

1. Type of product /service identified and the (consumer/industries) process involve there in.
2. Brand name and the product.
3. Range of the product.
4. Identification mark or logo.
5. Tagline.
6. Labeling and packaging.
7. Price of the product and basis of price fixation.
8. Selected channels of distribution and reasons thereof.
9. Decisions related to transportation and warehousing. State reasons.
10. Promotional techniques used and starting reasons for deciding the particular technique.
11. Grading and standardization.

Presentation and Submission of Project Report

At the end of the stipulated term, each student will prepare and submit his/her project report.

Following essentials are required to be fulfilled for its preparation and submission.

1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten by the student.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence-

Cover page should include the title of the Project, student information, school and year.

List of contents.

Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).

Introduction.

Topic with suitable heading.

Planning and activities done during the project, if any. Observations and findings of the visit.

Conclusions (summarized suggestions or findings, future scope of study). Photographs (if any).

Appendix

Teacher's observation.

Signatures of the teachers.

At the completion of the evaluation of the project, it should be punched in the centre so that the report may not be reused but is available for reference only.

Allocation of Marks = 20 Marks

ASSESSMENT The marks will be allocated on the following heads.

| | | |
|---|---|----------|
| 1 | Initiative, cooperativeness and participation | 2 Mark |
| 2 | Creativity in presentation | 2 Mark |
| 3 | Content, observation and research work | 4 Marks |
| 4 | Analysis of situations | 4 Marks |
| 5 | Viva | 8 Marks |
| | Total | 20 Marks |

REGULAR MATHEMATICS

1. Differentiate the following with respect to x:

$$\sin^{-1} \left(\frac{2^{x+1} \cdot 3^x}{1+(36)^x} \right)$$

2. If $x\sqrt{1+y} + y\sqrt{1+x} = 0$, $-1 < x < 1$, prove that

$$\frac{dy}{dx} = \frac{-1}{(1+x)^2}$$

3. Find $\frac{dy}{dx}$, if $x^y + y^x + x^x = a^b$

4. If $x \sin(a+y) + \sin a \cos(a+y) = 0$, Prove that $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin a}$

5. Two schools A and B want to award their selected students on the values of sincerity, truthfulness and helpfulness. The school A wants to award ₹ x each, ₹ y each and ₹ z each for the three respective values to 3, 2 and 1 students respectively with a total award money of ₹ 1600. School B wants to spend ₹ 2300 to award its 4, 1 and 3 students on the respective values (by giving the same award money to the three values as before). If the total amount of award for one prize on each value is ₹ 900, using matrices, find the award money for each value.

6. If f(x) is defined by the following function

$$f(x) = \begin{cases} \frac{\sin(a-1)x + \sin x}{x} & \text{if } x < 0 \\ c & \text{if } x = 0 \\ \frac{\sqrt{x+bx^2} - \sqrt{x}}{bx^{\frac{3}{2}}} & \text{if } x > 0 \end{cases}$$

is continuous at $x=0$, find the values of a,b and c

7. Given $A = \begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$, $B = \begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix}$

Find AB and use this result in solving the following system of equations

$$x - y + z = 4, x - 2y - 2z = 9, 2x + y + 3z = 1$$

8. Differentiate $\tan^{-1} \left(\frac{\sqrt{1-x^2}}{x} \right)$ with respect to $\cos^{-1}(2x\sqrt{1-x^2})$ when $x \neq 0$

9. Differentiate $\sin^{-1} \left(\frac{\sqrt{1+x} - \sqrt{1-x}}{2} \right)$ w.r.t x

10. The function f(x) is defined as follows:

$$f(x) = \begin{cases} x^2 + ax + b; & 0 \leq x < 2 \\ 3x + 2; & 2 \leq x \leq 4 \\ 2ax + 5b; & 4 < x \leq 8 \end{cases}$$

If f(x) is continuous in [0, 8], find the values of 'a' and 'b'.

11. Discuss the continuity and differentiability of the function $f(x) = |x| + |x-1|$ in the interval $(-1, 2)$.

12. If $y = \sqrt{\sin x + \sqrt{\sin x + \sqrt{\sin x + \cdots \text{ to } \infty}}}$, prove that $\frac{dy}{dx} = \frac{\cos x}{2y-1}$

13. Differentiate: $\tan^{-1} \left[\frac{\sqrt{1+x^2} - \sqrt{1-x^2}}{\sqrt{1+x^2} + \sqrt{1-x^2}} \right]$ with respect to $\cos^{-1}(x^2)$.

14. If $x^y = e^{x-y}$, prove that, Prove that $\frac{dy}{dx} = \frac{\log x}{(1+\log x)^2}$

15. If $A = \begin{bmatrix} 2 & 3 \\ 1 & -4 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & -2 \\ -1 & 3 \end{bmatrix}$, then verify that $(AB)^{-1} = B^{-1}A^{-1}$

16. If $x = a \cos^3 \theta$ and $y = a \sin^3 \theta$, find the value of $\frac{d^2y}{dx^2}$ at $\theta = \frac{\pi}{6}$

17. If $y = \sin^{-1} \left[\frac{5x+12\sqrt{1-x^2}}{13} \right]$, then find $\frac{dy}{dx}$

18. Find the intervals in which the function given by

$$f(x) = \frac{3}{10}x^4 - \frac{4}{5}x^3 - 3x^2 + \frac{36}{5}x + 11 \text{ is}$$

a) Strictly increasing

b) Strictly decreasing

19. Find : $\int \frac{1}{x(1+\log x)} dx$

20. Evaluate: $\int \frac{\cos 2x}{\sin x + \cos x} dx$

21. Find: $\int \frac{dx}{5-8x-x^2}$

22. Find : $\int \frac{2x}{(x-1)(x+2)} dx$

23. Find : $\int \frac{\cos x}{(1-\sin x)(2-\sin x)} dx$

24. Find : $\int \frac{x^2}{(x^2+1)(x^2+4)} dx$

25. Find : $\int \frac{x+5}{3x^2+13x-10} dx$

26. Evaluate: $\int (\sqrt{\tan x} + \sqrt{\cot x}) dx$

27. Evaluate: $\int 5^{5^{5^x}} \cdot 5^{5^x} \cdot 5^x dx$

28. Evaluate: $\int \frac{1}{\cos^4 x + \sin^4 x} dx$

29. If $y = \sin^{-1} \left[\frac{5x+12\sqrt{1-x^2}}{13} \right]$, then find $\frac{dy}{dx}$

30. Solve for x: $2\sin^{-1}(1-x) - 2\sin^{-1}x = \frac{\pi}{2}$

31. Simplify: $\cot^{-1} \frac{1}{\sqrt{x^2-1}}$ for $x < -1$

32. If $\sin[\cot^{-1}(x+1)] = \cos(\tan^{-1}x)$, then find x.

33. If $(\tan^{-1}x)^2 + (\cot^{-1}x)^2 = \frac{5\pi^2}{8}$, then find x.

34. Prove that $\tan^{-1} \left[\frac{\sqrt{1+x^2} + \sqrt{1-x^2}}{\sqrt{1+x^2} - \sqrt{1-x^2}} \right] = \frac{\pi}{4} + \frac{1}{2} \cos^{-1} x^2$

35. Solve: $2 \tan^{-1}(\cos x) = \tan^{-1}(2 \operatorname{cosec} x)$

36. Solve: $\tan^{-1} 2x + \tan^{-1} 3x = \frac{\pi}{4}$

37. If $(\tan^{-1} x)^2 + (\cot^{-1} x)^2 = \frac{5\pi^2}{8}$, then find x .

38. If $A = \begin{pmatrix} 2 & 3 & 4 \\ 1 & -1 & 0 \\ 0 & 1 & 2 \end{pmatrix}$, find A^{-1} . Hence, solve the system of equations

$$2x + 3y + 4z = 17$$

$$x - y = 3$$

$$y + 2z = 7$$

39. Find : $\int \frac{1}{x(1+\log x)} dx$

40. Find : $\int \sqrt{x^2 - 2x} dx$

41. Find $\int \left(\frac{1-x}{1+x^2} \right)^2 e^x dx$

42. Find : $\int \frac{x+5}{3x^2+13x-10} dx$

43. Find : $\int_0^{\frac{\pi}{4}} \frac{1}{\cos^2 x + 4 \sin^2 x} dx$

44. Find : $\int \frac{x^2}{(x-1)(x^2+1)} dx$

45. Find $\int \left\{ \log(\log x) + \frac{1}{(\log x)^2} \right\} dx$

46. Evaluate $\int_0^{\frac{\pi}{4}} \frac{\sin x + \cos x}{9 + 16 \sin 2x} dx$

47. Evaluate $\int_0^{\frac{\pi}{2}} \frac{x \sin x \cos x}{\sin^4 x + \cos^4 x} dx$

48. Evaluate: $\int \frac{5x+3}{\sqrt{x^2+4x+10}} dx$

49. Evaluate: $\int \sqrt{\tan x} dx$

50. Evaluate: $\int_0^{\pi} \frac{x \tan x}{\sec x + \tan x} dx$

APPLIED MATHEMATICS

1. TWO case studies each from the following chapters should be selected and present it neatly in the record book.

Chapter :1 (Numbers, Quantification and Numerical Applications)

Chapter:2 (Numerical Inequality)

Chapter:3(Matrices)

Chapter:4 (Determinants)

Chapter:9 (Probability)

Chapter:12(Perpetuity, Sinking funds and EMI)

Chapter:13(Returns, Growth and Depreciation)

Chapter:14(Linear Programming)

2. Any TWO Assertion-Reasoning type questions and answers from the above chapters also should be selected and incorporate them in the record.
3. Submit the record on the day of arrival after the vacation.

ACCOUNTANCY

PRACTICE WORK :

- 1) To be done in separate A4 project sheets.
- 2) No binding required. Keep it in a simple file folder together.
- 3) Use proper Journal and Ledger formats to write the answers.

Question 1. Write all Journal Entries for the transactions given below and post all the Journal Entries in all the required Ledger Accounts.

P Ltd. issued a prospectus inviting applications for 25000 shares of Rs. 10 each at a premium of Rs. 2 per share payable as follows:

Application = Rs. 2
Allotment = Rs. 5 (including premium)
First call = Rs. 3
Final call = Rs. 2

Applications were received for 37500 shares and pro-rata allotment was made on applications for 30000 shares. It was decided to utilize excess application money towards the amount due on allotment.

Ramesh who applied for 600 shares failed to pay the allotment money and on his subsequent failure to pay the first call his shares were forfeited.

M the holder of 750 shares failed to pay the two calls and on such failure his shares were forfeited.

Of these shares forfeited 1000 shares were sold to Krishnan, credited as fully paid for Rs. 9 per share the whole of R's shares being included.

Question 2. Journalise the following transactions in the books Bhushan Oil Ltd.:

(a) 200 shares of ₹ 100 each issued at a premium of Rs.10 were forfeited for the non-payment of allotment money of ₹ 60 per share. The first and final call of ₹ 20 per share on these shares were not made. The forfeited shares were reissued at ₹ 70 per share as fully paid-up.

(b) 150 shares of ₹ 10 each issued at a premium of ₹ 4 per share payable with allotment were forfeited for non-payment of allotment money of ₹ 8 per share including premium. The first and final calls of ₹ 4 per share were not made. The forfeited shares were reissued at ₹ 15 per share fully paid-up.

(c) 400 shares of ₹ 50 each issued at par were forfeited for non-payment of final call of ₹ 10 per share. These shares were reissued at ₹ 45 per share fully paid-up.

CBSE BOARD PROJECT WORK :

1. Complete the respective CBSE BOARD PROJECT WORK - ACCOUNTANCY TOPICS (both projects in one proper Separate PROJECT FILE file) as assigned to you respectively as per your respective class-group, according to the Email sent to all the students individually.

FEW SUGGESTIVE TOPICS FOR CLASS XII PROJECTS

1. The Indus Valley Civilization- Archeological Excavations and New Perspectives
2. The History and Legacy of Mauryan Empire
3. "Mahabharat"- The Great Epic of India
4. The History and Culture of the Vedic period
5. Buddha Charita
6. A Comprehensive History of Jainism
7. Bhakti Movement- Multiple interpretations and commentaries.
8. "The Mystical Dimensions of Sufism
9. Global legacy of Gandhian ideas
10. The Architectural Culture of the Vijayanagar Empire
11. Life of women in the Mughal rural society
12. Comparative Analysis of the Land Revenue Systems introduced by the Britishers in India
13. The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
14. The Philosophy of Guru Nanak Dev
15. The Vision of Kabir
16. An insight into the Indian Constitution

given below: - Guidelines for History Project Work: 20 Marks One Project to be done throughout the session, as per the existing scheme.

1. Steps involved in the conduct of the project: Students may work upon the following lines as a suggested flow chart: Choose a Title/Topic Need of the Study, Objective of the Study Hypothesis Content -Timeline, Maps, Mind maps, Pictures, etc. (Organization of Material/Data Present Material/Data) Analyzing the Material/Data for Conclusion Draw the Relevant Conclusion Bibliography

2. Expected Checklist for the Project Work: • Introduction of topic/title • Identifying the causes, events, consequences and/or remedies • Various stakeholders and effect on each of them • Advantages and disadvantages of situations or issues identified • Short-term and long-term implications of strategies suggested during research • Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file • Presentation and writing that is succinct and coherent in project file • Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc. 3. Assessment of Project Work: • Project Work has broadly the following phases: Synopsis/ Initiation, Data Collection, Data Analysis and Interpretation, Conclusion. •

GEOGRAPHY

RECORD WORK (Practical)

Ch 3 / Graphical Representation of Data

List of Diagrams.

1. Line and bar graph.
2. Pie chart
3. Star diagram
4. Choropleth map
5. Dot map
6. Isopleth Map

List of tables for data is provided in the practical textbook.

Write the description , construction and calculation on the ruled proton and the diagrams on the white part.

PSYCHOLOGY

INSTRUCTIONS:

- i) Do a case analysis of a person with psychological disorders.
- ii) Prepare a project on any one of the following disorders. (Given in a separate sheet)
- iii) Net could be referred for information.
- iv) Project should be brief and to the point.
- v) Relevant pictures of the disorders could be included.
- vi) Students could prepare the project in the same order of the contents given below.

CONTENTS OF THE CASE PROFILE OF THE INDIVIDUAL WITH PSYCHIATRIC DISORDER

Acknowledgement

Introduction of the Case Profile (Purpose of the file in 12th STD)

Introduction of the Disorder (Disorder chosen for this project)

Case History (Patient)

Personal history

Family history

History of present illness

Clinical features (Symptoms shown by the patient due to disorder)

Diagnosis (The patient's disorder)

Treatment (therapies, counseling, medical etc.,)

Prognosis (speed of recovery)

Conclusion (summary of the project)

References'/ Bibliography

Note: Final handwritten copy to be made as per the guidance provided in the class. This preparation is for the AISSCE practical exam. The final document will be evaluated and marked in the forthcoming Academic practical exam session.

(Select anyone)

DISORDERS

1. Schizophrenia
2. Depression
3. Mania
4. ADHD – ATTENTION DEFICIT HYPERACTIVITY DISORDER
5. Phobias
6. OCD – Obsessive Compulsive Disorder
7. Amnesia
8. Multiple Personality disorder
9. Post-Traumatic Stress disorder
10. Mental Retardation
11. Autism
12. Eating disorders
13. Addictive Disorders
13. Learning disorder

Any other disorder if you like to do a project on, you could.

FOR REFERENCE FOR THE STUDENTS

CASE STUDY FORMAT

Developing a case profile would primarily involve the use of qualitative techniques, such as observation, interview, survey, etc. During preparing a case profile, the students would gain a first-hand experience in the use of these qualitative techniques. The main objective of preparing a case profile is to understand the individual in totality. This would further help in establishing the cause-and-effect relationship more accurately. The students may prepare a case profile of an individual having special needs like learning disability, autism, down's syndrome, etc. or those with interpersonal social problems, i.e. poor body image, obesity, temper tantrums, substance abuse, not getting along with peers, withdrawn, etc. They may be encouraged to find out the background information and developmental history of the individual. The students are required to identify the method of inquiry, i.e. interview or observation that they would like to undertake to get complete information of the case. A case profile may be prepared based on the suggested format.

Suggested Format for Preparing a Case Profile

A format for case presentation covering broad aspects is given below. It is suggested that the case be developed in a narrative format along the following points:

1. *Introduction*
 - A brief introduction of about one or two pages presenting the nature of the problem, its incidence, likely causes, and possible counselling outcomes.
 - A half page (brief) summary of the case.
2. *Identification of Data*
 - Name (may be fictitious)

- Diagnosed Problem
 - Voluntary or Referral (i.e., by whom referred — such as teacher, parent, sibling, etc.)
3. *Case History*
- A paragraph giving age, gender, school attended, class (grade) presently enrolled in, etc.
 - Information about socio-economic status (SES) consisting of information about mother's/father's education and occupation, family income, house type, number of members in the family— brothers, sisters and their birth order, adjustment in the family, etc.
 - Information about physical health, physical characteristics (e.g., height and weight), any disability/illness (in the past and present), etc.
 - Any professional help taken (past and present), giving a brief history of the problem, attitude towards counselling (indicating the motivation to seek help, etc.).
 - Recording signs (i.e., what is observed in terms of facial expressions, mannerisms, etc.) and symptoms (i.e., what the subject reports, for example, fears, worry, tension, sleeplessness, etc.).
 - Concluding Comments

Science Stream 12 B

PHYSICS

To submit a working model using any topic of interest related to physics

CHEMISTRY

To submit an investigatory project of any topic in chemistry

BIOLOGY

To submit an investigatory project of any topic in biology

GUIDELINES FOR PROJECT WORK IN ECONOMICS

The students are required to prepare a **handwritten project** for **20 marks** as part of the **CBSE practical examination**. The project must be based on **any one topic** from the list provided in the guidelines.

Please ensure that the project is:

- Neatly handwritten
- Well-organized and informative
- Includes relevant illustrations, headings, and subheadings

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

- probe deeper into theoretical concepts learnt in class XII
- analyse 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:

- Choose a title/topic
- Collection of the research material/data
- Organization of material/data
- Present material/data
- Analysing the material/data for conclusion
- Draw the relevant conclusion
- Presentation of the Project Work

Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies

- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of research
- Validity, reliability, appropriateness and relevance of data used for research work and for presentation in the project file
- Presentation and writing that is succinct and coherent in project file
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Mode of presentation/submission of the Project:

At the end of the stipulated term, each learner will present the research work in the Project File to the External and Internal examiner. The questions should be asked from the Research Work/ Project File of the learner. The Internal Examiner should ensure that the study submitted by the learner is his/her own original work. In case of any doubt, authenticity should be checked and verified.

Marking Scheme:

Marks are suggested to be given as –

| S. No | Heading | Marks Allotted |
|-------|----------------------------------|----------------|
| 1. | Relevance of the Topic | 3 |
| 2. | Knowledge Content/ Research Work | 6 |
| 3. | Presentation Technique | 3 |
| 4. | Viva-Voce | 8 |
| | Total | 20 |

Suggestive List of Projects:

- 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

PROJECT GUIDELINES

- The CBSE Project will be graded out of 20 marks.
- A soft copy of the project needs to be prepared during the summer break.
- The same is to be shared with me on divyanka@thelawrenceschool.org by July 20, 2025.
- The project topic needs to be approved by me over an email.
- The project topics are as follows:
 - i. **India-China Relations** – Sakshum Roy
 - ii. **Naxalite Movement** – Ananya Bhargava
 - iii. **Reorganization of States in India** - Dheshna
 - iv. **Emergency 1975** - Shivanethra
 - v. **Rise of BJP** – Harshal Munjal
 - vi. **India's Nuclear Policy** - Bhavadharani
 - vii. **Integration of Princely States** - Aswathi
 - viii. **Terrorism** – Ansh Singh
 - ix. **India Pakistan Relations** – Bismi
 - x. **Jammu and Kashmir** – Sanjay Roshan
 - xi. **Globalization** - Tushaar
- The Sequence of the soft copy should be as follows:
 - a) Handmade cover page
 - b) School cover page
 - c) Index
 - d) Introduction
 - e) Content
 - f) Conclusion
 - g) Bibliography
- Visual Material to be pasted in the soft copy
 - a) Photos of individuals/events
 - b) Cartoon representation of events
 - c) Maps
 - d) Timeline
 - e) Slogans / Quotes
- There should be a minimum of 5 sources in the bibliography.

FINE ARTS HOLIDAYS ASSIGNMENT

Draw any 10 drawings by using pencil, charcoal, charcoal pencil, and drawing pen on A4 cartridge/drawing papers.































