



GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR

Summer Break Assignment



ENGLISH

INSTRUCTIONS FOR MAKING THE PROJECT

- The marks allotted for PROJECT: 10 marks (5 for Project+ 5 for Viva)
- Choose any ONE from the below given topics.
- Viva based on the project will be undertaken.
- The portfolio of project may include all the points given in each project.
- The project must contain at least 20-25 sheets
- Use as many pictures /photographs as you require
- Use sketch pens for headings and coloured pens for content.
- Use A4 size coloured /designer paper sheets for the project and after compiling everything should be submitted in Project file.

NOTE: THE PROJECT SHOULD BE HANDWRITTEN

PROJECT 1: PLIGHT OF OLD AGED PEOPLE

Cover page, with title of project, school details/details of student.

1. Index
2. Acknowledgement
3. Objectives
4. Certificate of Completion
5. About the Poetess of 'My Mother at Sixty Six.(with photos)
6. Poetess' Personal Experience - Common Paradox of Human Relationships
7. Portrayal of Sensational Separation Between a Mother and a Daughter
8. Plight of Old Aged People: Ugly Truth About Old Age (with photos)
9. Reasons Behind the Need of Old Age Homes
10. Efforts for Stress-Free and Secured Life of Aged People
11. Visit to an Old Age Home (photos of some aged people living in such homes)
12. How to Strike a Balance Between Duties and Responsibilities of Children and Society
13. Role of Youth to Improve the Plight of Aged People
14. Bibliography or References

PROJECT 2 :CHILD LABOUR IN INDIA (LOST SPRING)

Cover page, with title of project, school details/details of student.

1. Index
2. Acknowledgement
3. Objectives
4. Certificate of Completion
5. Child Labour with reference to Lost spring (summary)
6. Lives of children like Saheb and Mukesh
7. Describe – Seemapuri (with pictures)
8. Hazards of Bangle making industry
9. Initiative against child labour by * Indian government * Various NGOs

10. SOS Children's Village in India
11. The Child Labour Prohibition And Regulation Act ,1986
12. Ways to eliminate child labour
13. Bibliography or References

PROJECT 3: War and Peace

The Project-Portfolio may include the following:

Cover page, with title of project, school details/details of student.

1. Index
2. Acknowledgement
3. Objectives
4. Certificate of completion
5. Different kinds of war
6. Causes of war
7. Explanation on Any One war
(World War I, World War II, Franco-Prussian War)
8. Figure Representation in the form of pie chart/Histogram/graph of loss during war.
9. Effect of war on
 - a) People of Alsace and Lorraine
 - b) In general (Reference to Keeping Quiet)
10. Pictures related to war.
11. Suggestions to avoid wars.
12. Conclusion
13. List of resources/bibliography.

ACKNOWLEDGEMENT

I would like to extend my sincere and heartfelt obligation towards all those who have helped me in making this project. Without their active guidance, help, cooperation and encouragement, I would not have been able to present the project on time.

I am extremely thankful and pay my sincere gratitude to my teacher-----for her valuable guidance and support for completion of this project.

I also acknowledge with a deep sense of reverence, my gratitude towards my parents, other faculty members of the school and friends for their valuable suggestions given to me in completing the project.

Date:

Place:

CERTIFICATE OF COMPLETION:

CERTIFICATE

This is to certify that the project work on _____ based on the curriculum of CBSE has been completed by _____ of Class-XII Section _____ of _____ School.

The above mentioned project work has been completed under my guidance during the academic year 2024-25.

Signature of Teacher

Guru Nanak Public School Sarabha Nagar Ludhiana



STUDENT PORTFOLIO (ENGLISH) Session 2024-2025

NAME: _____

CLASS: _____

SECTION: _____

ROLL NO: _____

ADMISSION NO: _____

SUBMITTED TO: _____

My Personal Inventory

THIS IS ME!!!!

Paste a photograph of
yourself or make a
sketch of yourself

I am _____ Admn no. _____

Class & Section _____ Roll no. _____.

Email id _____.

My Phone no. is _____.

My birthday is on _____.

Blood Group _____.

Father's name _____.

Mother's name _____.

Residential address _____

_____.

My family consists of _____

_____.

I love the most _____ in my family
because _____

_____.

Paste a family photograph

I have a special friend, his /her name is _____.

Paste a photograph of your
friend with or without you

I am very good at _____.

I am not so good at _____.

I get really angry when _____

_____.

I would like to learn about _____

I would be much better off if _____

I have a few good habits which are _____

_____.

I Discover Myself

Features	As I see myself	As my parents see me
My Strengths		
My Weaknesses		
My Achievements		
My Motivation/ ideal		
How tidy I am		
How courteous I am		
The types of clothes I wear		
Hours spent on social media per day		
Hours spent on studies per day		
Hours spent on constructive activities per day		
Hours spent playing outdoor games		
I like to spend my time on my mobile because		
How independently am I allowed to express my opinions		
The Career I should choose		

PHYSICS

- 1) Do all the NCERT examples and Intex questions on your note book.
- 2) Complete the investigatory project. The topics of the project are:
 - To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.
 - To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
 - To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
 - To estimate the charge induced on each one of the two identical Styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
 - To study the earth's magnetic field using a compass needle -bar magnet by plotting magnetic field lines and tangent galvanometer.
 - To study the capacitors and their applications.

CHEMISTRY

Prepare one investigatory project (recommended by CBSE) from the following list.

1. Batteries
2. Colligative properties
3. Biomolecules (Carbohydrates) Refer to NCERT book vol II
4. Biomolecules (Proteins) Refer to NCERT book vol II

Instructions: 1. This should be of 8-10 pages (in the order Title page, Index, Acknowledgement, Content, bibliography) supplement with Pictures /samples etc.
2. This should be hand written (written by your own).
3. Date of submission is July 4, 2024.

MATHEMATICS

Perform the following activities on Maths Practical Notebook:

1. To draw the graphs of following inverse trigonometric functions on different graph papers in the interval $[-2\pi, 2\pi]$ highlighting the principal value range.
 $\sin^{-1}x, \cos^{-1}x, \tan^{-1}x$
2. To draw the graphs of following inverse trigonometric functions on different graph papers in the interval $[-2\pi, 2\pi]$ highlighting the principal value range.
 $\sec^{-1}x, \operatorname{cosec}^{-1}x, \cot^{-1}x$
3. To find the solution of the following situational problem by Matrix method:

A school wants to award its students for the values of Honesty, Regularity and Hard work with a total cash award of Rs 6000. Three times the award money for Hard work added to that given for Honesty amounts to Rs 11000. The award money given for Honesty and Hard work together is double the one given for Regularity. Represent the above situation algebraically and find the award for each value using Matrix method.

4. To discuss the continuity of the following functions and draw their graphs:

$$(a) f(x) = \begin{cases} 2x - 3, & \text{if } x \leq 2 \\ x + 3, & \text{if } x > 2 \end{cases}$$

$$(b) f(x) = \begin{cases} -x + 2, & \text{if } x \leq 1 \\ x^2, & \text{if } x > 1 \end{cases}$$

5. To derive and discuss the geometrical significance of derivatives.

BIOLOGY

1. Prepare an investigatory project on any one topic from NCERT. Project file should be hand written consisting of 15-20 A - 4 size sheets. The Project report should be prepared in the following sequence –

- Cover page should include the title of the project & student information
- Acknowledgement
- Index
- Project content
- Case study (If Possible)
- Bibliography

2. To collect & compare data on MTP (Medical Termination of Pregnancy) in India from (2014-2024) in the following states –

PUNJAB, HARYANA, RAJASTHAN

NOTE: Students can draw or paste pictures, graphs (bar graph or Pie chart) for the above report in a scrap book .

3. Revise the covered syllabus.

4. Complete practical file.

ACCOUNTANCY

Note:- Project must contain 10-15 sheets. Staple the sheets and put it in a clear bag. Write the project topic, name, class, section, roll number and admission number on the first sheet of the Project.

Handwriting should be neat and clean.

It is compulsory to submit project work for assessment.

Q:-1) X And Y are partners in a firm sharing profits and losses in the ratio of 3:2. Z is admitted as a partner with $\frac{1}{4}$ share in profits. Z takes his share from X and Y in the ratio of 2:1. Calculate new profit-sharing ratio.

Q:-2) M and J are partners in a firm sharing profits in the ratio of 3:2. They admit R as a new partner. The new profit-sharing ratio between M, J and R will be 5:3:2. R brought in 50,000 for his share of premium for goodwill. Pass necessary Journal entries for the treatment of goodwill.

Q:-3) R purchased B business with effect from 1st April, 2022. It was agreed that the firm's goodwill will be valued at two year's purchase of average normal profits of the last three years. Profit of B's business for the last three years ended 31st March, were

2020. Rs. 1,00,000 (including an abnormal gain of 10,000)

2021 Rs. 1,10,000 (after charging an abnormal loss of Rs.20,000)

2022. Rs. 85,000 (including non business income of Rs.5,000)

Calculate value of the firm's goodwill.

Q:-4) On 1st April, 2022 a firm had assets of Rs.3,00,000 including cash of Rs. 5,000. Partner's capital account were 2,00,000 and the Reserve being the rest. If normal rate of return is 10% and the goodwill of the firm is valued at 2,00,000 at four years purchase of super profit, find the average profit of the firm.

Q:-5) A,B and C are partners in firm having capital of 50000, 50000 and 100000 respectively. The Current Account balances were A: 10000, B: 5000 and C: 2000 (Dr) According to the Partnership Deed partners were entitled to an interest on Capital @ 10% p.a. C Being the working partner was also entitled to a salary of 12000 p.a. The profit to be divided as

- the first 20,000 in proportion to their capitals
- Next 30,000 in the ratio of 5:3:2
- Remaining profits to be shared equally

The firm earned a profit of 1,72,000 before charging any of the above items
Prepare Profit and Loss Appropriation Account.

Q:-6) A,B and C were partners in a firm On 1st April 2018 their capitals stood at Rs. 400000, 300000 and 200000 respectively. As per the provisions of the Partnership Deed

- B was entitled to a salary of 5,000 per month.
- Partners were entitled to interest on capital @10% p.a

The net profit for the year ended 31st March, 2019 Rs.3,00,000 was divided among the partners without providing for the above items Showing your working clearly, Pass an adjustment entry to rectify the above error.

Q:-7) X, Y and Z entered into partnership on 1st July, 2021 to share profits and losses in the ratio of 3: 2:1. X guarantee that Z's share of profit after charging interest on capital@6% p.a would not be less than 36000 p.a. The capital contribution by X Rs.2,00,000; Y Rs.1,00,000 and Z Rs. 1,00,000. Profit for the year ended 31stMarch, 2022 was Rs.1,38,000.

Prepare Profit and Loss Appropriation Account.

Q:-8) A and B are partners sharing profits in ratio of 3 : 2. Their balance sheet as at 31st March 2022 stood as

Liabilities	Amount	Assets	Amount
Creditors	38500	Cash	2000
Outstanding rent	4000	Stock	15000
Capital	29000	Prepaid insurance	1500
A	15000	Debtors.	9000
B		Less: Provision.	19000
		400	35000
		Machinery	5000
		Building	
		furniture	
	86500		86500

C is admitted as a new partner introducing a capital of Rs. 16000. The new profit sharing ratio is decided as 5: 3 : 2. C is unable to bring in any cash for goodwill. So it is decided to value the goodwill on the basis of C's share in profits and capital contributed by him. Following revaluations are made

- Stock to decreased by 5%
- Provision for doubtful debts is to be Rs 500.
- Furniture to decrease by 10%
- Building is valued at 40000

Show necessary ledger accounts and balance sheet of new firm.

BUSINESS STUDIES

Topics of Project Work:

XII C: Application of Henry Fayol's Principles of Management

XII D: Marketing Management of a product

XII E: Business Environment (Study on Child labour laws ,it's implementation and consequences)

XII F & H: Business Environment (Increase in use of social media)

Steps for project work:

Presentation and Submission of Project Report

1. The total length of the project will be of 25 to 30 pages. The project should be handwritten.

2. The project should be presented in a neat folder.

3. 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-

*Acknowledgment

*Topic with suitable heading.

*Planning and activities done during the project, if any.

*Observations and findings

*Conclusions (summarised suggestions)

*Photographs (10-15)

*Appendix

*Teacher's observation.

*Signatures of the teacher.

(Marks of project work to be added in September Exams)

ECONOMICS

Instructions:

- It is compulsory for all to submit the assignment for assessment.
- Use A4 size light color assignment sheets (one sided ruled and one sided plain sheet)

Page 1 :- Cover page (Submitted by , class & section , roll no., submitted to)

Page 2 :- Certificate

Page 3 :- Acknowledgment

Page 4 :- Index

Sr.No.	Particulars	Page no.	Remarks
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Page 5 – 23 :- MAIN CONTENT

{ Make use to diagrams, pictures , data }

Page 24 :- Conclusion

Page 25 :- Bibliography

Topics to be prepared

Roll No. :- 1,9,17,25,33,41. :- Human Capital Formation

Roll No. :- 2,10,18,26,34,42. :- Rural Development

Roll No. :- 3,11,19,27,35,43. :- Employment

Roll No. :- 4,12,20,28,36,44. :- Environment & Sustainable Development

Roll No. :- 5,13,21,29,37,45. :- Human Capital Formation

Roll No. :- 6,14,22,30,38,46. :- Rural Development

Roll No. :- 7,15,23,31,39,47. :- Employment

Roll No. :- 8,16,24,32,40,48. :- Environment & Sustainable Development

ENTREPRENEURSHIP

1. Revise ch-1, 2 done in the class.
2. List the names of any 5 companies registered on a stock exchange. Monitor the prices of their shares for 10 regular days. List their records in project file. Also Analyse which share is best to buy in IT sector?
3. State five differences between stock market and share market.

Note:: Project must contain 10-15 sheets. Staple the sheets and put it in a clear bag. Write the project topic, name, class, section, roll number and admission number on the first sheet of the Project. Handwriting should be neat and clean.

It is compulsory to submit project work for assessment.

FINANCIAL MARKETS MANAGEMENT

1. Explain the admission procedure for the new membership.
2. What is Market watch window?
3. What are steps in Clearing and Settlement Process? (Pg no.71-75)
4. Explain liquidity, leverage, profitability ratios.

Instructions:

1. Project should be made on A4 size sheet.
2. Project should be of 25-30 pages.
3. Paste at-least 10-15 pictures.
4. Include front page, acknowledgement, certificate, index, conclusion and bibliography.

Do properly in A4 size sheets & submit in clear bag.

INFORMATION TECHNOLOGY

1. Create a Practical file with minimum 15 queries in MYSQL.
2. Create a Project Work (Any Application made using Java Netbeans IDE).

WEB APPLICATION

Create a Website on any topic of your choice. The website should have

1. Minimum 10 web pages
2. Homepage
3. Add proper Internal and External Linking in different web pages as well as with home page.
4. Insert any audio and video related to your topic.
5. Use CSS for formatting.
6. Use JavaScript for inserting any form.

INFORMATICS PRACTICES

1. Create a Practical File with 15 queries in MySQL.
Note: Practical file should include the following topics:
 - a. Group By
 - b. Having clause
 - c. Like Operator
 - d. Between and AND Operator
 - e. All MySQL Functions.
 - f. Equi - Joins
2. Create a project in Python on any topic.
Note: Only create tables related to the topic in MySQL.

LEGAL STUDIES

The project report entails the following requirements:

1. The project report should be handwritten by the students themselves and credit will be awarded to original drawings, illustrations, and creative use of material.
2. The project report should be presented in a neatly bound folder.
3. The project report will be presented in the following format:
 - *Cover page
 - *Contents
 - *Introduction
 - *Content Presentation
 - *Conclusion/ Summary
 - *Bibliography
 - *Teacher's evaluation report

Prepare project file on the following topics:

1. Complete report on the relation between International Trade and International Law
2. In an international conference, aimed at formulating a resolution on an environment issue between the member countries, Indian representative headed for a consent, subject to approval by Indian Parliament. The Parliament, on considering the matter, refused to give assent and thus the terms of resolution were not implemented in India.
 - a. Identify the mode of entering into the treaty opted in the given condition.
 - b. Analyse the situation when it would be binding on the Indian representative to give assent to the resolution.
3. International Human Rights.

POLITICAL SCIENCE

The project report entails the following requirements:

1. The project report should be handwritten by the students themselves and credit will be awarded to original drawings, illustrations, and creative use of material.
2. The project report should be presented in a neatly bound folder.
3. The project report will be presented in the following format:
 - *Cover page
 - *Contents
 - *Introduction
 - *Content Presentation
 - *Conclusion/ Summary
 - *Bibliography
 - *Teacher's evaluation report

Prepare project file on the following topics:

- XII H** United Nations and it's organizations
- XII F** The End of Bipolarity

FOOD, NUTRITION AND DIETETICS

➤ Identify food adulterations using visual and chemical methods:

1. Turmeric
 2. Chana Dal
 3. Bura/Sugar
 4. Milk
 5. Tea leaves
 6. Coriander
 - 8 Black pepper seed
 9. Desi Ghee
- Prepare one preserved product also prepare a suitable label for it.
Write full recipe of the product you prepared and also mention which preservative you have used in it. (Use Small glass jars)
- Critically evaluate factors influencing selection of food. Ref with; culture family food practice media, pear group, availability of food and purchasing power.
- Read thoroughly all chapters of Unit 1&2.
- **NOTE- Do all this work on A3 sheet with required pictures etc.**

PUNJABI

I (PROJECT WORK)

INSTRUCTIONS :-

1. Choose any one topic from the given below.
2. Use A4 size sheet (one side plain and one side ruled)
3. Credit will be awarded for creativity.
4. Matter should be relevant and of 10 pages.
5. It should be written neatly.
6. Either paste or draw pictures related to the topic.
7. File should be covered properly.

8. Project should be presented in the following sequence /format :-

First page

- NAME _____
- CLASS & Sec _____
- Admission No _____
- Roll No _____
- Topic Name _____
- Submitted to _____
- Submitted by _____

Index

Acknowledgement

Introduction of topic

Explanation of the subject matter

Importance (if have)

Critical analysis

Suggestions by the students.(conclusion)

Bibliography/ Resources

Topics:

1. ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ
2. ਖੁਰਾਕ
3. ਬਜ਼ੁਰਗਾਂ ਦਾ ਘਟ ਰਿਹਾ ਸਤਿਕਾਰ (ਕਾਰਨ ਤੇ ਸੁਝਾਅ)
4. ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਪੇਂਡੂ ਤੇ ਸ਼ਹਿਰੀ ਜੀਵਨ ਦਾ ਅੰਤਰ
5. ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਆਨਲਾਈਨ ਪੜ੍ਹਾਈ
6. ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਉੱਭਰੀ ਲੋਕ ਸੇਵਾ ਭਾਵਨਾ
7. ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਥਿਤੀ
8. ਕੋਰੋਨਾ ਕਾਲ ਤੋਂ ਬਾਅਦ ਸਕੂਲਾਂ ਦੀ ਸਥਿਤੀ ਤੇ ਵਿਦਿਆਰਥੀਆਂ ਦਾ ਵਿਵਹਾਰ
9. ਵਿਦੇਸ਼ਾਂ ਵਿੱਚ ਜਾਣ ਦੀ ਹੋੜ (ਸੈਂਕ, ਮਜ਼ਬੂਰੀਆਂ, ਸਮਾਜਿਕ ਬਦਲਾਅ)
10. ਸੋਸ਼ਲ ਮੀਡੀਆ ਦਾ ਵਧ ਰਿਹਾ ਪ੍ਰਭਾਵ
11. ਵਿਗਿਆਨੀ (ਸਮਾਜ ਨੂੰ ਦੇਣ)
12. ਲੇਖਕ -ਸਾਹਿਤਕ ਦੇਣ
13. ਮਹਾਂਪੁਰਸ਼(ਜੀਵਨੀ ਤੇ ਉਪਦੇਸ਼)

॥ ਹੇਠ ਲਿਖੇ ਵਿਸਿਆਂ ਉੱਤੇ ਪੈਰਾ ਰਚਨਾ (ਕਾਪੀ ਵਿੱਚ) ਲਿਖੋ:-

‘ਸਮੇਂ ਦੀ ਪਾਬੰਦੀ’ ਅਤੇ ‘ਸੜਕ ਦੁਰਘਟਨਾਵਾਂ’

HINDUSTANI MUSIC (VOCAL)

1. Revise practical and theory syllabus.
2. Prepare three retro Bollywood songs sung by these artists-Mohamad Rafi, Mukesh , Kishore Kumar, Lata Mangeshkar Asha Bhosle and Alka yagnik.

KATHAK – DANCE

1. Revise practical and theory syllabus.
2. Prepare any dance form for dance competition.
3. You can prepare any Hollywood, Bollywood, Classical, Semi-classical, Any Folk dance but song should be decent.

PSYCHOLOGY

Prepare a **Handwritten** case profile of an individual who has excelled in areas like sports, academics, music or on a Psychological disorder.

General Instructions:

The case study must have the following.

- Title
- Highlight of key research findings.
- Application of principles of psychology
- Good content with visually appealing experiences.
- Strategic use of the blank spaces (It should not look cluttered up)
- Use enlivening pictures.
- The total length of the case study should not be more than 12-15 **written** pages.
- Case study should be presented in a neatly bound simple folder.

Material Required:

- A4 size sheets (white or coloured)
- Any form of art/ creativity
- Research skills

Case study must have the following information on the cover page

Name of the topic.....

Submitted to.....

Submitted by.....

The case study should include **index page at the start and bibliography at the end.**

Steps:

Topic 1 – Anxiety Disorders

Topic 2 – Obsessive-compulsive disorder

Topic 3 – Depression

Topic 4 - Stress

Topic 5 – Somatic Symptom and related disorders

Topic 6 – ADHD

Topic 7- Autism

Topic 8- Eating Disorder

Topic 9- Anxiety

- Class XII H Roll no- 2,7,11,14,22,25,30 (Topic 1)
- Class XII H Roll no- 6,13,21,23, 28,36 (Topic 2)
- Class XII F Roll no- 2,6,13,16,24 ,35,39,45 (Topic 3)
- Class XII F Roll no- 5,7,14,17,27,36,40,46 (Topic 4)
- Class XII M Roll no- 25 (Topic 5)
- Class XII A Roll no- 21 (Topic 6)
- Class XII D- 19,26,29 (Topic 7,8,9)

FASHION STUDIES

Complete the following practicals in your portfolio:

- Nature inspired prints in fashion figure (1 sheet)
- Animal inspired prints in fashion figure.(1 sheet)
- Texture (4 sheets)
- Elements of designs with lines
- Detailed study of contemporary costume designer (with pictures).
- Any product (Nature inspired)
- Learn Employability Skills and History of Fashion

Note: The work should be completed on A-3 size sheets.

PHYSICAL EDUCATION

Write any one of your choice out of list:

Labelled diagram of field, rules, terminologies and skill of Game.
(Basketball, Football, Volleyball)

Do holiday homework in physical education practical note book.

APP./COMMERCIAL ART & PAINTING

- Make a portfolio of five sheets from your painting and commercial art syllabus.

JAR CRAFT



DIY Mason Jar by showing your creative skills.

HAPPY
HOLIDAYS