



GURU NANAK PUBLIC SCHOOL
SARABHA NAGAR, LUDHIANA

SUMMER BREAK ASSIGNMENT

CLASS XII



ENGLISH

Compile a Project-Portfolio on any one of the following:

1. Child Labour

The Project-Portfolio should include-

- Cover page, with title of project, school details/details of student.
- Index
- Statement of purpose/objectives/goals
- Acknowledgement
- Introduction of Child Labour
- Causes of Child Labour
- Pictures related to Child Labour
- Figure representation in the form of Pie chart, Bar graph etc of Child Labour in different Countries.
- Story of Saheb
- Story of Mukesh
- Effects of Child Labour
- Suggestions to Stop Child Labour
- Conclusion
- Certificate of completion under the guidance of teacher.
- List of resources/bibliography.

2. War and Peace

The Project-Portfolio may include the following:

- Cover page, with title of project, school details/details of student.
- Index
- Statement of purpose/objectives/goals
- Acknowledgement
- Different kinds of war
- Causes of war
- Explanation on Any One war
(World War I, World War II, Franco-Prussian War)
- Figure Representation in the form of pie chart/Histogram/graph of loss during war.
- Effect of war on
 - a) People of Alsace and Lorraine

b) In general (Reference to Keeping Quiet)

- Pictures related to war.
- Suggestions to avoid wars.
- Conclusion
- Certificate of completion under the guidance of the teacher.
- List of resources/bibliography.

PHYSICS

Make a project file based on one of the following topics:-

- ✚ CAPACITOR
- ✚ MOVING COIL GALVANOMETER
- ✚ A.C. GENERATOR

CHEMISTRY

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

A few suggested Projects:

- Study of the presence of oxalate ions in guava fruit at different stages of ripening.
- Study of quantity of casein present in different samples of milk.
- Preparation of soyabean milk and its comparison with the natural milk with respect to curd formation, effects of temperature, etc.
- Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)
- Study of digestion of starch by salivary amylase and effects of pH and temperature on it.
- Comparative study of the rate of fermentation of the following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
- Extraction of essential oils present in Saunf(aniseed), Ajwain(carum), Ilachi(cardamom).
- Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chilli powder and pepper.

Instructions: 1. This should be of 10 - 15 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. Samples of projects are shared in class groups.

4. Date of submission is July 18, 2022.

BIOLOGY

1. Prepare a project based on any topic from your NCERT book in a creative way.
2. Solve the assignments in biology note book and complete Practical notebook.
3. Learn the covered syllabus.

MATHEMATICS (041)

Perform the following activities on Maths Practical notebook

Activity 3:

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

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

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

Activity 4:

To derive and discuss the geometrical significance of derivatives.

NOTE: These activities are in continuation with the two activities given earlier. Do all the activities on Maths Practical notebook. The marks for the same will be added for CBSE Maths Practical.

ACCOUNTANCY

Solve following questions:-

ILLUSTRATION 58. (Past Adjustment/Opening capital missing and interest on capital and drawings omitted) Mohan, Vijay and Anil are equal partners, the balances in their capital accounts being ₹ 30,000, ₹ 25,000 and ₹ 20,000 respectively. In arriving at these figures, the profits for the year ended March 31, 2017, ₹ 24,000 had already been credited to partners in the proportion in which they share profits. Their drawings were Mohan ₹ 5,000, Vijay ₹ 4,000 and Anil ₹ 3,000. Subsequently, the following omissions were noticed and it was decided to bring them into account :

- (i) Interest on Capital at 10% per annum.
- (ii) Interest on Drawings was : Mohan ₹ 250, Vijay ₹ 200 and Anil ₹ 150.

Make the necessary corrections through a journal entry and show your working clearly.

ILLUSTRATION 67. (Guarantee by all Partners/Current A/c) A, B and C are partners with capital of ₹ 10,000, ₹ 5,000 and ₹ 2,000 respectively. After providing interest on capital at 6% per annum, the profits are divisible as follows :

$A \frac{1}{2}, B \frac{1}{3}, C \frac{1}{6}$. But A and B have guaranteed that C's share shall not amount to less than ₹ 500 in any one year.

During the year 2017, A and B have each withdrawn ₹ 1,000 and C ₹ 500. Net profit for the year before providing interest on partner's capital was ₹ 2,400. You are required to show the profit and loss appropriation account and the current accounts of partners.

Solution

ILLUSTRATION 4. (Average Adjusted Profits) Meena purchased Simmi's business on 1st April 2017. The profits disclosed by Simmi's business for the last three years were as follows:

Years :	31-3-15	₹ 40,000	(including an abnormal gain ₹ 5,000)
	31-3-16	₹ 50,000	(after charging an abnormal loss of ₹ 10,000)
	31-3-17	₹ 45,000	(excluding ₹ 5,000 on insurance premium of firm's property-now to be insured)

Calculate the value of firm's goodwill on the basis of two years' purchase of average adjusted profits of the last three years.

Solution

ILLUSTRATION 54. (Goodwill exists and brought in Cash/Creation of Investment Fluctuation Reserve/Workmen's Compensation Reserve) A and B are partners sharing profits in the ratio of 3 : 1. Their Balance Sheet as on 31-3-2019 was as follows :

Liabilities	₹	Assets	₹
A's Capital	11,000	Bank	1,000
B's Capital	3,000	Debtors	6,000
Creditors	2,000	Stock	3,000
Workmen's Compensation Reserve	2,000	Patents	2,000
		Investments	5,000
		Goodwill	1,000
	18,000		18,000

C is admitted for $\frac{2}{5}$ th share in future profits. For this purpose following adjustment are agreed upon :

C will bring ₹ 8,000 for Capital and ₹ 2,000 for Goodwill.

Market value of Investments is ₹ 4,500 and it is decided to create reserve ; claim on account of Workmen's Compensation is ₹ 1,000. Goodwill is not to appear in the new firm at all.

Patents are value less

Required : Prepare ledger accounts, i.e., Revaluation Account, Partners' Capital Accounts to record the above and show the Balance Sheet.

Solution

BUSINESS STUDIES

Project Work: Business Environment

Topics of Project Work:

XII C: Changing role of women in society

XII D: Anti Plastic campaign, the law ,it's effects and implementation

XII E: Study on Child labour laws,it's implementation and consequences

XII F & H: Increase in use of social media during Pandemic ,its positive and negative impacts on business and society

Steps for project work:

Meaning of business environment

Characteristics of Business Environment

Dimensions of Business environment:

Economic, Social, legal, Political, Technological (with examples)

Importance of Business Environment

Detailed Explanation of topic of project work (class wise)

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

ECONOMICS

NOTE- Marks to be added in September Examination

Topics for Project work :-

12th C — Human Capital Formation

12th D — Rural Development

12th E & F — Liberalisation, Privatisation, Globalisation

Content to be covered topic-wise:::-

HUMAN CAPITAL FORMATION:::

-Define Human Capital

-Sources of human capital

-Difference between Human capital and Human Development

-State of Human capital in India

-Education sector in India

-Limitations

-Future Prospects

RURAL DEVELOPMENT:::-

-What is Rural development?

-Credit and Marketing in Rural areas

-Agricultural Market System – problems and steps to improve system

-Diversification into Productive activities-Horticulture, Animal Husbandry, Fisheries, Cottage and Household Industry

-Sustainable development and Organic Farming

LIBERALISATION, PRIVATISATION AND GLOBALISATION:-

-Background

-Liberalisation – Discuss all types of reforms

-Demonetisation and GST

-Privatisation- Need,Gains and Losses

-Globalisation-Policies promoting it

-Arguments in favour of LPG

-Arguments against LPG

Instructions:— •. Use A4 size light colour designer assignment sheets(one sided ruled and One sided plain sheet)

Paste minimum 10 pictures related to your topic on plain side of sheet.

First 5 common pages will be:-

Title page

Project Mentor_____(Write Subject Teacher's name)

Project Leader _____(Write student's name)

Certificate. D. Acknowledgement e. INDEX

Then start with the content (Refer NCERT Indian Economy for content)

Last 2 pages:-Conclusion and Bibliography

Submit project report in a clear bag with name, class, section and roll no.

ENTREPRENEURSHIP

Revise ch-1 done in the class.

List the names of any 5 companies registered on a stock exchange.

Monitor the prices of their shares for 10 regular days. Which share is best to buy in IT sector?

State five differences between stock market and share market.

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 blanks 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- Extrovert

Topic 8- Autism

Topic 9- Eating Disorder

Topic 10- Anxiety

Class XII H Roll no- 1,16,25,32,36,49,52

(Topic 1)

Class XII H Roll no- 7,23,31,33,38,47,51,554

(Topic 2)

Class XII F Roll no- 2,9,11,15,21,24,28,33,44

(Topic 3)

Class XII F Roll no- 3,10,13,20,22,27,32,36

(Topic 4)

Class XII E Roll no- 26

(Topic 10)

Class XII M Roll no- 8, 16,30,11

(Topic 6)

Class XII M Roll no- 9,17,31

(Topic 7)

Class XII A Roll no- 15

(Topic 8)

Class XII B Roll no- 13,17

(Topic 9)

Class XII C, D – 26,11,22

(Topic 10)

FASHION STUDIES

1. To design a product with self-generated print inspired from nature.
eg: skirt, mask, mobile cover, hand bag, file cover, kurti etc
2. Show your creativity and design your own T-Shirt by using any one of the following technique:
Hand painting
Tie and Dye
Screen printing
Collage work
Hand Embroidery
3. Students will complete their practicals done in the class, transfer them on muslin and write their steps of construction on A4 sheets.

PUNJABI

INSTRUCTIONS: -

1. Chose 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 -15 pages.
5. It should be written neatly.
6. Either paste or draw pictures related to the topic.
7. 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 ਵਿਦਿਆਰਥੀ ਆਂ ਦਾ ਵਿਵਹਾਰ
9. ਵਿਦੇਸ਼ਾਂ ਵਿੱਚ ਜਾਣ ਦੀ ਹੋੜ (ਸੈਂਕ, ਮਜਬੂਰੀਆਂ, ਸਮਾਜਿਕ ਬਦਲਾਅ)
10. ਸੋਸ਼ਲ ਮੀਡੀਆ ਦਾ ਵਧਰਿਹਾ ਪ੍ਰਭਾਵ
11. ਵਿਗਿਆਨੀ (ਸਮਾਜਨੁੰਦੇਣ)
12. ਲੇਖਕ-ਸਾਹਿਤਕ ਦੇਣ
13. ਮਹਾਂਪੁਰਸ਼ (ਜੀਵਨੀ ਤੇ ਉਪਦੇਸ਼)

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

I. Create a Practical File covering following queries in MySql :

Group By
Having clause
Like Operator
Between and AND Operator
All MySQL Functions.

II. Draw and explain any two examples of Networking on A4 Chart. (Diagram Based Questions in Book.)

III. Write about Different Cyber Threats on A4 Sheet.

APPLIED MATHEMATICS (241)

PROJECT : Prepare a Questionnaire to collect information about money spent by your 20 friends in a month on activities like travelling, movies , recharging of the mobiles etc. and draw interesting conclusions . (Represent data by using Bar graph, Double bar graph and Histogram)

The project report entails the following requirements.

- 1) The total length of project should not be more than 15 written pages.(A4 size sheets)
- 2) The project report should be handwritten by students themselves.
- 3) The project report should be presented in a neatly bound simple folder.
- 4) The project will be presented in this format.

Cover page

Contents

Submitted to and Submitted by(Name , Class, Section, Roll No., Admission No.)

Introduction

Content presentation

Conclusion/Summary

Bibliography

Teacher's evaluation report

NOTE:

The project report must be completed by 27th July ,2022

MUSIC

Revise practical and theory syllabus.

Prepare three retro Bollywood songs sung by these artists-Mohamad Rafi, Mukesh, Kishore Kumar, Lata Mangeshkar, Asha Bhosle and Alka Yagnik.

PAINTING AND COMMERCIAL ART

INSTRUCTIONS: -

1. Chose 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 -15 pages.
5. It should be written neatly.

6. Either paste or draw pictures related to the topic.

7. 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

Composition Arrangement of the paintings

Suggestions by the students. (conclusion)

Topics:

1. Rajasthani school of painting

2. Pahari school of painting

PHYSICAL EDUCATION

1. Any one Game/Sports of choice. labelled

Diagram of field & equipment. Also mention its rules, terminologies & skills

(Basketball, Badminton, volleyball, lawn tennis, Table tennis)

2. Procedure for asanas, benefits & contraindication for any 8 asanas for life style disease.

i. Obesity

ii. Diabetes

iii. Asthma

iv. Hypertension

Two asanas from each life style disease

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:

XII H Human Rights: A special reference to the Role of National Human Rights Commission in safeguarding the rights of the citizens.

XII F Legal Profession: A special study of Advocate Act, 1961.

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:

Topic 1 – Security in Contemporary world: Threats to Human security, Terrorism

Topic 2 – Planning and Development: Planning Commission and Five year Plans, Niti Ayog

Topic 3 – India's Foreign Policy: India's relations with US/China/Russia, India's Nuclear Programme

Topic 4 – Recent Developments in Indian Politics

Topic 5 – United Nations and its organisation

Note: Prepare topics strictly according to your section and Roll NO.

- Class XII F Roll NO. – 2,7,13,16 (Topic 1)
- Class XII F Roll NO. – 18,24,29,34 (Topic 2)
- Class XII F Roll NO. – 37,41,44,5 (Topic 3)

- Class XII F Roll NO. – 10,15,17,19 (Topic 4)
- Class XII F Roll NO. – 26,32,36,38,43 (Topic 5)
- Class XII H Roll NO. – 5,13,46 (Topic 1)
- Class XII H Roll NO. – 10,16,44 (Topic 2)
- Class XII H Roll NO. – 28,45 (Topic 3)
- Class XII H Roll NO. – 30,52 (Topic 4)

DANCE

1. Revise practical and theory syllabus.
2. Prepare any dance form for dance competition.

You can prepare any Hollywood, Bollywood and Pollywood song but song should be decent.

NOTE: Marks of COURSEWORK will be added in Half Yearly Exam and will be carried forward for final CBSE internal assessment.