



**GURU NANAK PUBLIC SCHOOL
SARABHA NAGAR, LUDHIANA**

SUMMER BREAK ASSIGNMENT

CLASS XI



ENGLISH

1. Prepare write ups for these topics in about 100 to 200 words and learn them. These will be the topics for your ASL.

Topics:

- a) **Sustainable Development**
- b) **Preservation of Wildlife**
- c) **Impact of Media on Society**
- d) **Afforestation and its impact**
- e) **National Integration- the need of the hour**

2. Read the novel The Invisible Man by H.G. Wells
 - a. Write synopsis in about 300 words.
 - b. Write character sketch of Griffin in 100 words.

Link for the novel The Invisible Man is

http://cbseacademic.nic.in/web_material/doc/novels/2_The%20Invisible%20Man,%20by%20H.%20G%20-%20Class%20-%20XII.pdf

3. Draft posters on the following themes:
 - a) Food Mela(Andhra Pradesh)
 - b) Fashion Show(Dresses of Punjab and Andhra Pradesh)
 - c) No Old- age Homes
 - d) Global warming

Note : Write on A4 sheets and compile in a project file .

Make it creative and presentable.

Design the cover page.

ENTREPRENEURSHIP

- 1.) Define Entrepreneur, Entrepreneurship, Enterprise.
- 2.) Write 5 points of advantages and disadvantages of entrepreneurship.
- 3.) Make an assignment of 5 young entrepreneurs of India. (Paste pictures)

BUSINESS STUDIES

- Q1. Differentiate between economic activity and non economic activity.
- Q2. How business, profession and employment are different from each other on the basis of reward, mode of establishment, transfer of interest and investment?
- Q3. What is the role profit in business?
- Q4. Explain secondary industry.
- Q5. What do you mean by business risk? Explain its nature.

Do the assignment in the notebook.

FINANCIAL MARKETS MANAGEMENT

- Q1. What is Investment?
- Q2. Why should one invest?
- Q3. When to start Investing? What care should one take while investing?
- Q4. What is meant by Interest?
- Q5. What factors determine interest rates?
- Q6. What are various options available for investment?
- Q7. What are various Short-term financial options available for investment?
- Q8. What are various Long-term financial options available for investment?

Do the assignment in the notebook.

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)

First four common pages will be :- Cover page, Certificate, Acknowledgement, Index

Then start with the content.

Last 2 pages :- Conclusion and Bibliography

Submit assignment in pocket file/ display folder file only.

1. Distinguish between positive and normative economics.
2. Distinguish between microeconomics and macroeconomics.
3. Define the subject matter of economics.
4. What is meant by production possibility curve? Illustrate with the help of a table and diagram.
5. Draw a production possibility curve and indicate the following situations on the diagram:
 - (1) Fuller and efficient utilisation of resources
 - (2) Underutilisation of resources
 - (3) Growth of resources
6. Draw a production possibility curve. What do the points inside and outside this curve indicate? Explain.
7. Define Scarcity.
8. Why economic problem arises?

ACCOUNTANCY

- Q 1. Write down and learn all the basic accounting terms.
Q 2. Do Q 1-5 back exercise of journal.
Q 3. Revise all the topics covered in the class thoroughly.

CHEMISTRY

1. Prepare ch-1 for assessment test to be held after vacation.
2. Solve assignment of ch-1 in chemistry note book.

PHYSICS

- 1) Write the dimensional formulae and units of physical quantities which you can come across in your daily life. (Minimum 30)
- 2) Write the applications of dimensional analysis with three numericals of each application.

MATHEMATICS (041)

1. If $x, y \in \mathbb{R}$ and $(x-3y) + 5i = (3x + y)i$, find x and y .
2. Write the complex number $1 + \sqrt{3}i$ in the polar form.
3. Find the multiplicative inverse of $2 - 3i$.
4. Solve the equation : $\sqrt{5}x^2 + x + \sqrt{5} = 0$
5. Solve the equation : $x^2 - x + 1 + i = 0$
6. Separate into real and imaginary parts $\frac{3+\sqrt{-1}}{2-\sqrt{-1}}$. Also, find its modulus.
7. If $a + ib = (x + iy)^{1/3}$, where $a, b, x, y \in \mathbb{R}$, then show that
$$\frac{x}{a} - \frac{y}{b} = -2(a^2 + b^2)$$
8. For what values of x and y are the numbers $3 + ix^2y$ and $x^2 + y + 4i$ conjugate complexes ?

ANSWERS

1. $x = 2, y = -1$
2. $2 \left(\cos \frac{\pi}{3} + i \sin \frac{\pi}{3} \right)$
3. $\frac{2}{13} + \frac{3}{13}i$
4. $\frac{-1}{2\sqrt{5}} \pm \frac{\sqrt{19}}{2\sqrt{5}}i$
5. $i, 1 - i$
6. $1 + i, \sqrt{2}$
8. $x = \pm 2, y = -1$

BIOLOGY

Prepare Herbarium file by pasting 5 Original samples of the following and write their common as well as Scientific name:

- Medicinal Plante
 - Wild Plants
 - Seeds of different Plants & Vegetables
- Learn the covered Syllabus (CH= 1 & 4)

Note : Students will submit Herbarium in biology lab on 20th July 2022. Marks will be added in Internal Assessment

PSYCHOLOGY

Chapter-1(What is Psychology?)

One mark questions:

1. Developmental psychology has both research and applied aspects. (True/False)
2. _____ is concerned with the attempt to understand human behaviour from the biological perspective.
3. _____ Psychology is concerned with internal processes such as attention, perception, thinking, reasoning, language and memory.
4. The term _____ describes the key idea of psychoanalysis.
5. What is introspection method? Two marks questions:
6. Give two applications of psychology in the field of medicine.
7. Who are community psychologists?
8. Mention functions of educational psychologist.
9. What is Functionalism?
10. Mention some of the esoteric experiences. Three marks questions:
11. Discuss in brief the role of counselling psychologists.
12. What are the functions of organizational psychologist? Discuss in brief

13. Differentiate between basic and applied psychology.
14. Discuss psychology as a natural science.
15. Describe the relation of psychology with mass communication. Four marks questions:
 16. Describe the relationship between the mind and behaviour.
 17. Discuss some of the themes/issues which provide direction to research and application of Psychology.
 18. Discuss some areas where psychologists are employed to help.

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:

XI F --- Importance Of Fundamental Rights: a special reference to the role of National Human Rights Commission

XI H --- Role Of Indian Judiciary in Law Adjudication: a special reference to various jurisdictions of SC

POLITICAL SCIENCE

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* Cover page

*Contents

*Introduction

*Content Presentation

* Conclusion/ Summary

*Bibliography

*Teacher's evaluation report

Prepare project file on the following topics

XI F --- Benefits of Doctrine of Separation: a special reference to the role of Executive in India.

XI H --- Benefits of Doctrine of Division of Power: a special reference to the role of Legislature in India.

FASHION STUDIES

1.To design a product with self generated print inspired from nature .

eg: T-shirt , skirt ,mobile cover , hand bag,dupatta , kurti , etc.

2. Design a dupatta with tie and dye technique.(videos according to the topic will be share in class group)

INFORMATICS PRACTICES

Q1. Write a query to create a table named as 'Job' through given structure:

Field	Type	Size	NULL	Key
Custid	Int	4	No	Primary key
Custname	varchar	25	Yes	
Balance	Decimal	5,2	No	
Creditlimit	Int	8	Yes	
Sno	Int	2	Yes	

Note: In place of Decimal, Float Data Type can be used.

Q2. Consider the following Table named 'Gym' and write down the queries

Table: GYM

ICODE	INAME	PRICE	BRANDNAME
G101	Power Fit Exerciser	20000	Power Gynea
G102	Aquafit Hand Grip	18000	Reliable
G103	Cycle Bike	Null	Ecobike
G104	Protoner Extrem Gym	30000	Coscore
G105	Message Belt	5000	Message Expert
G106	Crosstrainer	13000	GTC Fitness

- 1) Display the details of icode and iname whose price is more than 18000.
- 2) Change the price to 16000 whose price in null.
- 3) Delete the record of icode G105.
- 4) Add a new row with the values of your choice with respect to given columns.
- 5) Add a new column 'Discount' with the data type Int(10).
- 6) Delete the table 'Gym' permanently from the database.

NOTE: Type all the queries for both Q1 and Q2. Take out its printout and submit in a file.

INFORMATION TECHNOLOGY / WEB APPLICATIONS

Do the following questions on A4 sheets:

1. What is meant by Communication Cycle?
2. How is the usage of “a” different from “an” in English language?
3. What are the key factors of effective communication?
4. Describe in detail the SMART method to set goals.
5. How does stress management bring a positive change in the outlook and lifestyle of a person.
6. Give two differences between Interests and abilities.
7. Name and define the two types of motivation.
8. Write any two functions of verbal communication.
9. Name the different types of Communication styles.
10. What rules should we follow while writing a sentence?

FOOD, NUTRITION AND DIETETICS

1. List the sources of our dietary proteins that originate from animals and plants and compare their cost.

DANCE

1. Revise practical and theory syllabus.
2. Prepare any dance form for dance competition
3. You can prepare any Hollywood, Bollywood and Pollywood song but song should be decent.

MUSIC

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.

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. ਸੱਭਿਆਚਾਰਕ ਗਤੀਵਿਧੀਆਂ (ਲੋਕ-ਨਾਚ, ਲੋਕ- ਗੀਤ, ਲੋਕ-ਬੋਲੀਆਂ)
2. ਪੁਸਤਕ ਸਮੀਖਿਆ
3. ਸਲੋਗਨ ਲੇਖਣ
4. ਪੇਂਡੂ ਅਤੇ ਸ਼ਹਿਰੀ ਜੀਵਨ
5. ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ (ਦਾਜ, ਭਰੂਣ-ਹੱਤਿਆ, ਨਸ਼ੇ)
6. ਮਾਂ - ਬੋਲੀ (ਮਹੱਤਤਾ ਤੇ ਪ੍ਰਚਾਰ – ਪ੍ਰਸਾਰ)
7. ਪੰਜਾਬੀ ਪਹਿਰਾਵਾ

8. ਪੰਜਾਬੀ ਰਹਿਣ - ਸਹਿਣ
9. ਪੰਜਾਬੀ ਹਾਰ - ਸ਼ਿੰਗਾਰ
10. ਵਿਰਾਸਤੀ ਖੇਡਾਂ
11. ਕੋਰੋਨਾ - ਕਾਲ ਸਮੇਂ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ
12. ਕੋਰੋਨਾ - ਕਾਲ ਸਮੇਂ ਵਿਆਹ ਅਤੇ ਹੋਰ ਸਮਾਗਮ

PAINTING AND COMMERCIAL ART

1. Make free hand design/ Doodling...on A2 size ivory sheet. (Use CD markers for the outline...)
2. Make two sheets which are mentioned in your syllabus for the portfolio.