



GURU NANAK PUBLIC SCHOOL  
SARABHA NAGAR, LUDHIANA



# *Break Time Tasks*



CLASS - X  
SESSION 2025-26





## ENGLISH

Q1. Make a Travel Brochure highlighting how varied and charming Punjab and Odisha are!

Compare and contrast both the cities covering the following points

The Journey begins from Ludhiana

Page 1. Contents

Page 2. How to reach -by air,by road, by train-Travel fare by all the above means of transport.

Page 3. Climate

Page 4. Best time to visit

Page 5. Tourist spots

Page 6. History and Monuments

Page 7. Famous personalities of selected cities

Page 8. Bibliography

Page 9. Certificate of completion

Roll no 1 to 8 Bhubaneshwar -Anandpur Sahib

Roll no 9 to 16 Puri -Amritsar

Roll no 17 to 24 Cuttack - Chandigarh

Roll no 25 onwards Konark - Patiala

- Note: The above Travel Brochure is to be completed on coloured A4 size sheets ( Minimum 10)
- Paste pictures wherever necessary.
- Use coloured pens.
- Take the printout of the Portfolio shared below and fill it.
- All sheets along with Portfolio are to be kept in a file for submission.

# **Guru Nanak Public School**

## **Sarabha Nagar**

### **Ludhiana**



## **STUDENT PORTFOLIO (ENGLISH)**

### **Session 2025-2026**

NAME: \_\_\_\_\_

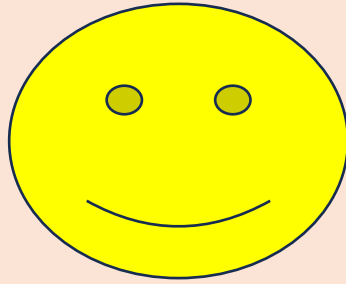
SECTION: \_\_\_\_\_

ROLL NO: \_\_\_\_\_

ADMISSION NO: \_\_\_\_\_

SUBMITTED TO: \_\_\_\_\_

# DISCOVER WHO I AM !!!!!



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 \_\_\_\_\_.

What are three adjectives your friends would use to describe  
you? (e.g. studious, careful, intelligent)

\_\_\_\_\_  
\_\_\_\_\_

Who in your life inspires you the most? What have you learnt  
from him/her?

\_\_\_\_\_  
\_\_\_\_\_

How do you see yourself ten years from now?

\_\_\_\_\_  
\_\_\_\_\_

I like my school because \_\_\_\_\_  
\_\_\_\_\_.

SWOT-Based Self-Reflection Questionnaire:

\*Know Yourself Better\*

Strengths:

1. Which three qualities do you consider your greatest  
strengths?

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2. When have these strengths helped you achieve something?

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Weaknesses:

3. What is something you struggle with or wish to improve?

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4. How do you react when facing a difficult task?

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Opportunities:

5. What opportunities (at school/ home) do you see for personal growth? \_\_\_\_\_

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6. Which skill or hobby would you like to develop further this year? \_\_\_\_\_

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7. What is your aim /goal in life? (Write in one sentence)

8. Who can support you the most in achieving your goals, and how? \_\_\_\_\_

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9. What actions can you take to work on your weaknesses and grab new opportunities?

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10. What new experience did you embrace this year and how did it shape you?

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Threats:

11. What challenges sometimes hold you back from doing your best?

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12. How do you plan to overcome these barriers?

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**THANK YOU**



## **SOCIAL SCIENCE**

Every student has to compulsorily undertake any one project on :-

**Consumer Awareness** (Refer Economics Ch5)

OR

**Social Issues**

OR

**Sustainable Development**

The project report entails the following requirements:

1. The total length of the project report should be minimum of 15 & maximum 20 written pages (A4 size sheets white or coloured).
2. The project report should be handwritten or digital by the students themselves and credit will be awarded to original drawings, illustrations of pictures, data (table, bar diagrams, pie charts, graphs etc.) , maps and creative use of material.
3. The project report should be presented in a neatly bound simple folder.
4. The project report prepared should be made from eco-friendly products without incurring too much expenditure.
5. The project report will be presented in the following FORMAT:

- Cover Page
- Acknowledgement
- Contents
- Introduction
- Content Presentation
- Conclusion/Summary
- Bibliography
- Teacher's evaluation report

## **MATHEMATICS**

Do the following activities on A4 size sheets . You can use colour pens etc

**IMPORTANT INSTRUCTIONS :**

- 1) The following activity is to be done on A4 size sheets for internal assessment for September examinations.
- 2) The activity is to be performed as per following :
  - a) Objective
  - b) Pre requisite knowledge
  - c) Material required
  - d) Procedure
  - e) Observations/ Results



## ACTIVITY

1) To verify whether the given pair of linear equations are consistent or inconsistent by Graphical method .

(a)  $x - 2y = 0$  ;  $3x + 4y = 20$

(b)  $2x + 3y = 9$  ;  $4x + 6y = 18$

(c)  $x + 2y = 4$  ;  $2x + 4y = 12$

2) To find trigonometric ratios of 30 degrees, 60 degrees and 45 degrees geometrically.

( Refer NCERT BOOK page number 122 and 123)

## HINDI

1. निम्नलिखित विषयों पर लगभग 100 शब्दों में अनुच्छेद लिखिए।

क) ग्लोबल वार्मिंग- मनुष्यता के लिए खतरा

ख) मीठी वाणी के प्रभाव

2. निम्नलिखित विषयों पर लगभग 50 शब्दों में आकर्षक विज्ञापन बनाएँ।

क) कोचिंग सेंटर के लिए विज्ञापन

ख) 'रक्तदान महादान'- आधारित विज्ञापन बनाए

3. निम्नलिखित समासों का समास विग्रह करते हुए नाम बताइए:

यथाशक्ति , त्रिफला , चवन्नी , चौराहा , पंजाब , नवरत्न , यथाविधि , यथामति , माता - पिता , अमीर-गरीब

4. 'संचयन पुस्तक' में पाठ-2 'सपनों के से दिन' पढ़कर प्रश्नों के उत्तर लिखें।

**Note:** Dear students, do your holidays homework in Hindi notebook only.

## PUNJABI

**Note :** Do the given work in Punjabi Grammar notebook.

1. ' ਰੁੱਖਾਂ ਦਾ ਮਹੱਤਵ ' ਅਤੇ ' ਸਮੇਂ ਦੀ ਕਦਰ ' ਵਿਸ਼ਿਆਂ ਤੇ (200 ਸ਼ਬਦਾਂ ਵਿੱਚ) ਲੇਖ ਲਿਖੋ।

2. ਤੁਹਾਡਾ ਛੋਟਾ ਭਰਾ ਹਰ ਸਮੇਂ ਟੈਲੀਵਿਜ਼ਨ ਵੇਖਦਾ ਰਹਿੰਦਾ ਹੈ ਅਤੇ ਪੜ੍ਹਾਈ ਵੱਲ ਧਿਆਨ ਨਹੀਂ ਦਿੰਦਾ। ਉਸ ਨੂੰ ਇੱਕ ਪੱਤਰ ਰਾਹੀਂ ਪੜ੍ਹਨ ਦੀ ਪ੍ਰੇਰਨਾ ਦਿਓ।

3. ਚਿਤਰ - ਵਰਨਣ

\* ' ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਮੱਸਿਆ ' ਵਿਸ਼ੇ ਨੂੰ ਦਰਸਾਉਂਦਾ ਹੋਇਆ ਇੱਕ ਚਿਤਰ ਲਗਾਓ ਅਤੇ ਉਸ ਬਾਰੇ ਇੱਕ ਪੈਰ੍ਹਾ (50-60 ਸ਼ਬਦਾਂ ਵਿੱਚ) ਲਿਖੋ।

4. ਪ੍ਰਸਿੱਧ ਲੇਖਕਾ ਡਾਕਟਰ ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ ਦੀਆਂ ਕੋਈ ਦੋ ਕਹਾਣੀਆਂ ਪੜ੍ਹੋ।

## ਪੰਜਾਬੀ ਪੋਰਟਫੋਲਿਓ

GURU NANAK PUBLIC SCHOOL ,SARABHA NAGAR, LUDHIANA  
CLASS – X

**Note:- Students to take printout of this portfolio and submit it in a clear bag.**

1.ਸਕੂਲ ਯੂਨੀਫਾਰਮ ਵਿੱਚ ਤਸਵੀਰ ਚਿਪਕਾ ਕੇ ਆਪਣਾ ਨਾਂ ਲਿਖੋ।



2.ਜਨਮ ਮਿਤੀ\_\_\_\_\_

3.ਜਮਾਤ ਸੈਕਸ਼ਨ\_\_\_\_\_

4.ਰੋਲ ਨੰਬਰ\_\_\_\_\_

5.ਸਕੂਲ ਦਾ ਨਾਂ\_\_\_\_\_

6 .ਕੱਦ\_\_\_\_\_

7 .ਸਕੂਲ ਦਾਖਲਾ ਨੰਬਰ\_\_\_\_\_

8.ਬਲੱਡ ਗਰੁੱਪ \_\_\_\_\_

9.ਅਧਾਰ ਨੰਬਰ\_\_\_\_\_

10.ਪਿਤਾ ਦਾ ਨਾਮ\_\_\_\_\_

11.ਮਾਤਾ ਦਾ ਨਾਮ\_\_\_\_\_

12.ਫੋਨ ਨੰਬਰ \_\_\_\_\_

13.ਪਰਿਵਾਰਕ ਮੈਂਬਰਾਂ ਦੀ ਗਿਣਤੀ\_\_\_\_\_

14.ਘਰ ਦਾ ਪਤਾ \_\_\_\_\_

15. ਮੈਂ ਇਹ ਪਸੰਦ ਕਰਦਾ ਹਾਂ \_\_\_\_\_

16.ਮੈਂ ਇਹ ਪਸੰਦ ਨਹੀਂ ਕਰਦਾ ਹਾਂ \_\_\_\_\_

17.ਮੇਰੀ ਤਾਕਤ \_\_\_\_\_

18.ਮੇਰੀ ਕਮਜ਼ੋਰੀ \_\_\_\_\_

19.ਮੇਰੀ ਮਨਪਸੰਦ ਖੇਡ \_\_\_\_\_

20.ਮੇਰਾ ਸੌਂਕ \_\_\_\_\_

21.ਮਾਤਾ – ਪਿਤਾ ਬਾਰੇ \_\_\_\_\_

22.ਮੇਰੀ ਜ਼ਿੰਦਗੀ ਦਾ ਉਦੇਸ਼ \_\_\_\_\_

23.ਮੈਨੂੰ ਡਰ ਲੱਗਦਾ ਹੈ \_\_\_\_\_

24.ਮੇਰਾ ਪੱਕਾ ਮਿੱਤਰ \_\_\_\_\_

25.ਕੋਈ ਵੀ ਕਵਿਤਾ , ਕਹਾਣੀ, ਪਾਠ, ਇਕਾਂਗੀ ਤੁਹਾਨੂੰ ਪਸੰਦ ਹੈ,

ਉਹ ਤੁਹਾਨੂੰ ਕਿਉਂ ਪਸੰਦ ਹੈ ਬਾਰੇ ਲਿਖੋ।

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## **SCIENCE**

**CHEMISTRY:** A. Write following practicals in science lab. manual-

1. To find the pH of following samples by using pH paper
  - (a) Dilute hydrochloric acid
  - (b) Dilute NaOH solution
  - (c) Dilute ethanoic acid
  - (d) Lemon juice
  - (e) Water
  - (f) Dil. Sodium bicarbonate.
2. To study the properties of acids ( Dil. HCl) by their reaction with
  - (a) Litmus sol. ( Blue / Red )
  - (b) Zinc metal
  - (c) Sodium carbonate
3. To study the properties of base(Dilute NaOH) by its reaction with
  - (a) litmus solution
  - (b) zinc metal
  - (c) Hydrochloric acid
4. To perform & observe the following reactions & classify them into :
  - (a) Combination reaction
  - (b) Decomposition reaction
  - (c) Displacement Reaction
  - (d) Double displacement reaction
  - (i) Action of water on quick lime
  - (ii) Action of heat on ferrous Sulphate crystals.
  - (iii) Iron nails kept in copper sulphate sol.
  - (iv) Reaction between sodium sulphate and barium chloride solutions.
5. (a) To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions.
  - (i)  $\text{ZnSO}_4$  (aq). (ii)  $\text{FeSO}_4$  (aq). (iii)  $\text{CuSO}_4$  (aq). (iv)  $\text{Al}_2(\text{SO}_4)_3$  (aq).

(b) Arrange Zn, Fe, Cu and Al metals in the decreasing order of reactivity based on the above results.
6. To study the following properties of acetic acid (ethanoic acid)
  - (i) odour
  - (ii) solubility in water
  - (iii) effect on litmus
  - (iv) reaction with sodium hydrogen carbonate.

7. To study the comparative cleansing capacity of a sample of soap in soft and hard water.

**How to write practicals:**

LEFT SIDE( WITH PENCIL)	RIGHT SIDE (WITH BLUE PEN, HEADINGS WITH BLACK PEN)
1. AIM OF EXPERIMENT 2. MATERIAL REQUIRED 3. DIAGRAMS 4.RESULT	1. AIM OF EXPERIMENT 2. THEORY 3. PROCEDURE 4. OBSERVATION TABLE (IF ANY) 5. PRECAUTIONS

**B.** Revise chemistry syllabus.

**BIOLOGY:** 1. Draw the following diagrams in biology note book –

**NOTE :** Diagrams must be neat and well labelled .

(a) Human respiratory system

(b) Human heart

(c) Human Excretory system and Nephron

(d) Human brain (Ch.6)

2. Revise the biology syllabus covered in class.

**PHYSICS:**

1. Draw the ray diagrams for the image formation by concave mirror and convex lens for the different positions of the object. Also mention the nature and size of the images formed.

2. Draw the ray diagrams for the image formation by convex mirror and concave lens and also write the range of magnification for the respective image formed.

3. Revise the lesson thoroughly.

## **BANKING & INSURANCE**

### **PROJECT ON BANKING**

- Introduction Meaning of Negotiable Instruments
- Features of Negotiable Instruments

### **CHEQUES**

- Meaning of cheques
- Features of cheque
- Types of cheques

### **BILLS OF EXCHANGE**

- Meaning of bills of exchange
- Features of bills of exchange

### **PROMISSORY NOTES**

- Meaning of PN
- Elements of PN

Give difference between PN & BE

Do your project work in plain A-4 size sheets, paste at-least 10 pictures, and submit in clear bag only.

Complete your Notebook.



# **INFORMATION TECHNOLOGY**

## **PRACTICAL FILE**

### **INSTRUCTIONS:**

1. Use only LibreOffice Writer to create your entire Practical File.
2. Design an attractive Cover Page (with a colourful background) for the Practical File, mentioning the Title (Practical File), Subject: Information Technology (402), School Name, Academic Year, School Logo, Name of the concerned SUBJECT TEACHER, and Student Name, Class-Section. A Sample has been provided.
3. The certificate designed in Project 1 will be attached after the Cover Page.
4. Create an Acknowledgement as given and append it to the Certificate.
5. Insert Header (IT Practical File 2025-26) and Footer (Student Name, Class-Section) on all pages of your file from Project 2 onwards.
6. All Projects MUST be printed on A4 sheets. Submit ONLY coloured printouts. Black & White Printouts will NOT be accepted.
7. Bring the file in a well-labelled clear bag or any other document holder.
8. Neatly organize the entire project — no spelling/grammatical errors.
9. Creativity, neatness, and formatting will fetch extra marks.

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



**INFORMATION TECHNOLOGY (402)**

**PRACTICAL FILE**

**2025-26**

**CLASS-X**

**SUBMITTED TO**

**SUBMITTED BY**

## **ACKNOWLEDGEMENT**

I would like to take this opportunity to extend my sincere gratitude and appreciation to my IT teacher, Ms. ...., for providing guidance and support throughout the process of completing my computer project for school. I am also thankful to my Principal, Mr. Gurbhej Singh Nagi, for allowing me the opportunity to explore and work on this project in the school environment.

Additionally, I would like to express my heartfelt thanks to my family for their unwavering support and encouragement during the completion of this project. The invaluable lessons and skills I have acquired through this project have enriched my learning experience and have prepared me for future challenges.

## PROJECT 1: DESIGN A CERTIFICATE

**TASK:** Create a certificate and write the sample content given below. Design a PROFESSIONAL background/frame before typing the content.

### CERTIFICATE

This is to certify that this practical file is submitted by  
....., (Roll No. ....), to the IT Department of  
GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR, LUDHIANA, carried out by  
her/him towards partial completion of Practical Exam for class X during  
academic session 2025-26.

IT Teacher

Principal

## PROJECT 2: IMAGE FORMATTING

**Task:** Insert any image. Create its copy and paste it next to the original image. Crop the duplicate image to remove the unwanted portion. Demonstrate the following image editing tools on the cropped image:

- Image Resizing
- Image Rotation

## PROJECT 3: DRAWING OBJECTS EDITING

**Task:** Insert any three different drawing objects. Give different fill colours and line styles to them. Demonstrate the different types of horizontal and vertical alignment options.

## PROJECT 4: CREATE A PAMPHLET

**Theme: “Holiday Vibes & Study Tips”**

A mix of holiday celebration ideas, time management tips, and light academic prep-guides for board exams

**Task:** Design an A4-size pamphlet on the topic given above, using all features of Libre-Office Writer. A sample has been shared for your reference. Use your own creativity. DO NOT RECREATE the sample itself.

# TIPS FOR SUMMER VACATION STUDY PREPARATION FOR STUDENTS

## 1. Start Study Preparation Earlier

A couple of weeks is enough to take a rest on your vacation. Then, you can start your summer reading or you can also proceed with your assignments. The planning of the study preparation during the summer vacation helps to balance the studies and the holiday.

## 2. Reading Continuously

Keep the habit of reading for at least 90 minutes every day and take the weekends off to relax yourself and your mind and body.

## 3. Take Notes on What You Read

It is advised that you should jot down your reading to track your reading progress. It is very difficult to remember things, especially when you are on a break as you want to enjoy every time. You have been scheduled for 2-4 books to read, and it can be hard to remember everything you have read. Making notes is a great way to track your progress. In this way, you can keep track of your reading, plots, and even symbolism.

## 4. Avoid the Loss of Knowledge

Studying during your summer vacation is supposed to organize your mind for new information in the fall and to make your mind sharp for your entrance exam preparation.

## 5. Make Strict Timetables

Setting aside certain periods for study is crucial, particularly in the summer. Use your free time now to prepare for your studies effectively to make a big difference. Set out specific times for studying on a calendar, either digital or paper.

## 6. Regular Intervals

Students often put off tasks until the last minute. They used to be crammed with multiple assignments at the same time or at the last moment. For students, study preparation with regular intervals and adequate sleep can help them succeed during their summer vacation.



## PROJECT 5: CREATE A REPORT USING STYLES AND TABLE OF CONTENTS

**Title:** "Exploring the Beauty of Andaman & Nicobar Islands"

**Task:** Create a professional, well-formatted document with the following sections:

### Contents:

#### 1. Table of Contents

- Use the Table of Contents feature from *Insert* → *Table of Contents and Index* → *Table of Contents, Index or Bibliography*.

#### 2. Introduction

- A short paragraph introducing the State/UT.

#### 3. History

- Historical background of the region.

#### 4. Culture and Traditions

- Include festivals, languages, traditional attire, and food.
- Insert relevant images.

#### 5. Tourism and Places to Visit

- Top 5 tourist places with small descriptions.
- Insert pictures and format them with borders.

#### 6. Fun Facts and Interesting Information

- Bullet points or numbered list.

#### 7. Bibliography

- Mention the sources/websites you used.

### Formatting Requirements (Compulsory):

- ✓ Use predefined **Heading Styles** (Heading 1, Heading 2, etc.)
- ✓ Apply **Font Style and Size** properly  
(**Title** – 18 pt, Bold, Times New Roman, **Body** – 12 pt, Calibri)
- ✓ Insert **Images** with Captions.
- ✓ Use **Page Border** (*Format* → *Page Style* → *Borders*).
- ✓ Insert **Page Numbers** (*Insert* → *Fields* → *Page Number*).
- ✓ Use proper **bullets/numbering** where needed.

