VIKAS BHARATI PUBLIC SCHOOL
CLASS – XII (COMMERCE)
HOLIDAY HOMEWORK
2026-27

ENGLISH

SHARP Insights

1.Complete all assignments from module number 2 and 3

2. Do comprehension passage assignment no. 1-5 from module 1

3.Make quiz sheet /flowchart/mind map of at least four chapters two from each (**Flamingo and Vistas)**

4.Prepare review of any one chapter from your course books for **speaking assessment t**o be held after summer break. (5 marks)

ACCOUNTANCY

1) Complete the Accountancy Project File as directed in the Project Guidelines shared in the Class group for Accountancy.

2) Prepare for the upcoming assessment in the month of July.

BUSINESS STUDIES

1) Complete the Project File as directed in the Project Guidelines shared in the Class group.

2) Prepare for the upcoming assessment in the month of July.

MARKETING

1) Complete the Project File as directed in the Project Guidelines shared in the Marketing Group.

2) Prepare for the upcoming assessment in the month of July.

ECONOMICS

Complete Economics Project File on the assigned topic.

Imp-

Strictly follow Project Instruction PDF while completing Project.

MATHEMATICS

Chapter 3: Matrices

Chapter 4: Determinants

Chapter 5: Continuity and Differentiability

Chapter 6: Application Of Derivatives

Revise all the above chapters thoroughly and prepare well for the upcoming UT exam.

#Complete the lab manual shared in the class group.

#Complete the assignments of these chapters shared in the class group.

INFORMATION PRACTICES

Subject: Informatics Practices	**Marks:** 5 Marks
Purpose: Project Work	**Group Size:** Individual or groups of 2-3 students

Assignment: Project work

As per the CBSE curriculum for Class XII Informatics Practices (2026-27), each student or group must develop a complete project. The summer holidays are the ideal time to identify your problem, gather data, and begin development.

> ⚠ **Important Note:**
>
> The project must be developed using Python (Pandas, Matplotlib) and/or MySQL. All data, images, and resources used must be properly referenced to avoid plagiarism. Copying from the internet or peers without attribution is a serious violation and will be penalised.

Project Ideas:

Choose a real-world problem. Here are some suggested ideas:

#	Project Title	Description
1	**Student Performance Analyser**	Analyse exam results using Pandas; visualise subject-wise/class-wise performance with Matplotlib bar graphs and line plots.
2	**Local Shop Sales Management**	Visit a local shop; record sales data in CSV; analyse monthly revenue, top products using DataFrames; generate charts.
3	**COVID-19 / Health Data Analysis**	Use open data (data.gov.in) to analyse health statistics; plot trends over time; derive insights using groupby and aggregation.
4	**School Library Management System**	Design a MySQL database to manage books, members, and issue records; write SQL queries for reports and aggregation.
5	**Weather Data Visualisation**	Download weather data for your city; analyse temperature/rainfall trends; plot using Matplotlib with proper labels and legends.
6	**E-Waste Awareness Dashboard**	Collect data on electronic waste; create an awareness report with visualisations; integrate Societal Impact unit concepts.
7	**Neighbourhood Survey Analysis**	Design a survey; collect responses; analyse using Pandas; plot demographics and responses to draw meaningful conclusions.
8	**Stock Market Trend Analysis**	Download publicly available stock data; use Pandas to find moving averages; visualise price trends using line and bar plots.

Mandatory Components to Include:

Complete the following by the end of the summer break:

1. Identify a real-world problem or topic for your project.
2. Identify your group members (if working in a group of 2-3).
3. Collect or download your dataset (CSV file or create a MySQL database).
4. Write the Problem Statement (1 paragraph explaining what you are solving).
5. Prepare the Synopsis — a 1-page document outlining: Title, Objective, Dataset Source, Tools/Libraries Used, Proposed Output.
6. Begin coding: Import dataset, perform basic Pandas operations (head, tail, describe, shape).
7. Create at least 2 visualisations (one line/bar chart, one histogram).

Complete Project Structure:

- Cover Page — Title, Class, Section, Roll Numbers, School Name
- Certificate — Signed by teacher
- Acknowledgement
- Abstract / Synopsis (1 page)
- Introduction — Background and motivation
- Problem Statement — Clearly defined objective
- System Requirements — Hardware and software used
- Dataset Description — Source, fields, number of records
- Python Code with Comments — All programs with explanation
- SQL Queries (if applicable) — With output screenshots
- Output / Results — All charts, tables, and outputs with explanation
- Analysis & Insights — What did you learn from the data?
- Conclusion — Summary of findings and future scope
- References — Properly cited in APA or MLA format

Technical Requirements:

- Language / Tools: Python 3.x, Pandas, Matplotlib, MySQL (optional)
- Minimum programs: 15 Python programs using Pandas + 4 Matplotlib visualisations
- If using SQL: Minimum 15 SQL queries must be included in the practical file
- Data source: Open data portals (data.gov.in, Kaggle, etc.) or self-collected surveys
- Code must be commented and explained in the project report
- All visualisations must have proper title, axis labels, and legends

PHYSICAL EDUCATON

Prepare a project with topics

1- SAI khelo India fitness test for all categories

2- Yoga mentioning all five lifestyle diseases with two asanas for each disease along with asana picture, procedure, benefits and contraindications

3- Rikli and Jones senior citizen fitness test

4- Any one game/sport of your choice recognised by I.O.A mentioning Historical development

Layout

Techniques

Skills

Terminologies

Rules regulations

Arjuna awardees

YOGA

Practical file

1.Yogic Practices for Lifestyle Disorders

Prepare therapeutic yogic practices for the following:

a) Obesity

- Tadasana
- Trikonasana
- Pawanmuktasana
- Kapalbhati
- Benefits & contraindications

b) Diabetes

- Mandukasana
- Ardha Matsyendrasana
- Vakrasana
- Pranayama practices

c) Asthma

- Bhujangasana
- Matsyasana
- Anulom Vilom
- Bhramari

d) Hypertension

- Shavasana
- Vajrasana
- Meditation
- Deep breathing exercises

e) Back Pain

- Bhujangasana
- Makarasana
- Shalabhasana

f) Anxiety and Stress

- Yoga Nidra
- Meditation
- Bhramari Pranayama

Pranayama

Include:

- Meaning of Pranayama
- Types
- Benefits & precautions

Important Pranayama:

- Anulom Vilom
- Kapalbhati
- Bhramari
- Ujjayi
- Sheetali

Shatkarma

Brief explanation of:

- Jal Neti
- Sutra Neti
- Kapalbhati
- Trataka

Project file

Surya Namaskar

Include:

- 12 postures with names
- Procedure
- Breathing pattern
- Benefits
- Precautions