# DAVID MODEL SENIOR SECONDARY SCHOOL

**Main Road Tukmirpur**

**SUMMER HOLIDAYS HOMEWORK (2024-2025)**
**Class : XI (Commerce)**

**General Instruction:** Follow the subject wise given instructions and submit the given task the very first day when the school reopens.

## ENGLISH

- **Read Newspaper daily.**
- **Watch any Sci-fi movie of your choice and write the review.**

**How to do:** The review is to be written in 250-300 words keeping in mind the given aspects:

- Introduction
- Review
- Favourite character
- Analysis

**Where to do:** A4 Size sheets

**Parameters for Assessment** Content, language and accuracy.

- **Read the Chapters of Hornbill and Snapshots.**
- **Revise all the "Class notes".**
- **Go for a morning walk daily, observe nature and your surroundings.**
- **Compose 'a Poem' or write 'an Article' on topic of your choice.**

## ACCOUNTANCY

**Write answer of the questions to be shared in students Whatsapp Group.**

## BUSINESS STUDIES

**Write answer of the given questions on A4 sheets.**

**Q1.** What are the classification of business activities?

**Q2.** Differentiate between consumer Goods and producer's Goods with an example.

**Q3.** What are the two types of primary Industries?

**Q4.** Differentiate between Extractive and Genetic Industries.

**Q5.** Define Secondary Industries and its two types with an example.

**Q6.** Give two examples of manufacturing industries and construction Industries.

**Q7.** Give two examples of Construction Industries.

**Q8.** Which sector of commerce removes the hindrance of place, finance, risk, storage and information to consumers?

**Q9.** What are the two types of commerce?

**Q10.** Why Commerce is called a link between Producers and consumers?

# ECONOMICS

**Write answer of the given questions on A4 sheets.**

**STATISTICS ECONOMICS**

**Q1.** What is meant by direct personal investigation? Explain it.
**Q2.** Distinguish between direct personal investigation and indirect oral investigation
**Q3.** What are secondary data? Discuss the publish sources of secondary data.
**Q4.** What is meant by random sampling? Explain the random sampling methods.
**Q5.** Explain the limitations of statistics.
**Q6.** Discuss the importance of statistics in Economies.

**MICRO ECONOMICS**

**Q1**. Why do central problem of an economy arise? Explain the central problem of 'for whom to produce'.
**Q2.** Why is production possibilities curve concave? Explain.
**Q3.** Explain the law of Diminishing Marginal Utility with the help of a table and a diagram.
**Q4.** What is meant by consumer's equilibrium? State its conditions in case of two commodities approach.
**Q5.** Explain different situation under which budget line shifts. Use diagram.
**Q6.** How is equilibrium achieved with the help of indifference curve analysis?

**SUGGESTIVE LIST OF PROJECTS: (Any one)**

* Effect on PPC due to various government policies
* Invisible Hand (Adam Smith)
* Opportunity Cost as an Economic Tool (taking real life situations)
* Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)
* Effect on equilibrium Prices in Local Market (taking real life situation or recent news)

* Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)
* Solar Energy, a Cost Effective Comparison with Conventional Energy Sources
* Bumper Production- Boon or Bane for the Farmer
* Any other newspaper article and its evaluation on basis of economic principles
* Any other topic

# MATHEMATICS

**Write answer of the given questions on A4 sheets.**

**Q1.** Do examples of Ch-1, 2 & 3.

**Q2.** Draw the graph of following functions: -

(i) $f(x) = \frac{1}{x^2}$ (ii) $f(x) = \sqrt{9 + x^2}$ (iii) $f(x) = \sqrt{x^2 - 9}$
(iv) $f(x) = x^2 - 6x + 5$ (v) $f(x) = \sqrt{x^2 + x - 6}$ (vi) $f(x) = |x - 3|$
(vii) $f(x) = |x - 1| + |x - 3|$ (viii) $f(x) = [x] + 2$ (ix) $f(x) = \frac{1}{x-3}$
(x) $f(x) = x + \frac{1}{x}$ (xi) $f(x) = \log x + 1$ (xii) $f(x) = e^{x+1}$
(xiii) $f(x) = [\,|x - 2|\,]$ (xiv) $f(x) = |x^2 + 4x + 3|$ (xv) $f(x) = [\,|x| - 2\,]$

**Q3.** Do one project on the given topic.

a) About 5 Indian mathematicians. (Roll no. 1 to 12 )
b) About 5 Foreign mathematicians (Roll no. 13 to 24)
c) Fibonaaci sequence, golden ration (Roll no. 25 to 36)
d) Application of trigonometry (roll no. 37 to 48)
e) Application of probability (Roll no. 49 to 58)

# COMPUTER SCIENCE

**Write answer of the given questions on A4 sheets.**

**Q1.** Draw a diagram of the functional component of a computer system.

**Q2.** Define the following:

- Input & Output Devices
- Hardware & Software
- Memory and it's Unit
- Operating System
- Language Processors

**Q3.** Define the role of ISCII, ASCII and Unicode.

**Q4.** Write at least one conversation for all types of numbers i.e. binary, decimal, octal decimal & hexadecimal number.

**Q5.** Define the logic circuit: and, or, not, nand & nor with their logic diagram & truth table.

**Q6.** Prove all the boolean laws & properties using truth table and also verified algebraically.

**Q7.** Draw the logic circuit diagram:

- (X+Y') (Y'+Z) (Z+X+Y') Use Only NOR Logic Gate
- AB'C + A'B + BC' Use Only NAND Logic Gate

**Q8.** Write the steps for problem solving techniques.

**Q9.** Define Algorithm, Pseudocode & Flowchart and also write at least two programs using them.

**Q10.** Write the symbols of Flowchart with their job (function).

# PHYSICAL EDUCATION

- **Make a project File of the following topics on A4 sheets.**

***Project-1**

Labelled diagram of field & equipment of any one game of your choice of the given list.

Basketball, Volleyball, Football, Badminton, Table tennis and Cricket

*** Project -2**

Write the procedure and benefits of any two Asanas, yogic kriyas and Pranayam.

*** Project -3**

SAI KHELO INDIA TEST