



GURU NANAK PUBLIC SCHOOL RAJOURI GARDEN

Holiday Homework: (2025-26)

Class: XI A

MATHEMATICS

Do the following activities in your practical files:

- 1. To find total number of subsets of a given set X if it has n elements.**
- 2. To identify relation and function.**
- 3. To differentiate between relation and function**
- 4. To construct a pascal's triangle and to derive binomial expansion for a given positive integral exponent.**

Complete chapter Statistics in separate note book

PHYSICS

- 1. Write the following practicals in your practical notebook:**
 - a. To measure internal diameter of given beaker using vernier callipers and hence find its volume**
 - b. To measure the diameter of given wire using screw gauge and hence find its volume**
 - c. To determine the volume of irregular lamina using screw gauge**
 - d. To study the variation of simple pendulum of given length by taking bob of same size but different masses and interpret the result.**
- 2. Solve the assignment sent in group in separate notebook**

HOME SCIENCE

- 1. Make a project file on any chapter from home science book.**
- 2. Project should be of minimum 18-20 pages.**
- 3. Important topics and additional facts should be covered with relevant pictures.**
- 4. Attempt case study based questions from each chapter in home science register.**

BIOLOGY

Complete your practical file with neat and properly labelled diagrams. All practicals must be completed.

Complete all the assignments given to you.

Complete your NCERT question–answer notebook along with proper notes.

Prepare for the test from the chapters Body Fluids and Circulation and Blood.

Subject : English (Core)

Marks: 10 (Internal Assessment)

Q. Prepare a project on any ONE chapter from your textbook Hornbill.

You may choose any format:

 **File (A4 project file) OR**  **PowerPoint Presentation (PPT)**

 Project Guidelines:

Follow the given sequence:

1. Topic / Title of the Project
 2. Index
 3. Acknowledgment
 4. Certificate
 5. Introduction of the Chapter
 6. About the Author / Poet
 7. Chapter Summary
 8. Theme / Message
 9. Characters (if any)
 10. Important Extracts & Explanation
 11. Literary Devices (if applicable)
 12. Value Points / Exam-oriented points
 13. Key Words & Meanings (Glossary)
1. Bibliography / References

 Additional Suggestions - students may also include:

- Mind map / Flowchart
- Timeline of events (if narrative)
- Pictures/Illustrations/Relevant visuals
- Important Quotations from the text
- Creative element (Poem / Artwork / Poster based on chapter)
- Question Bank (Short / Long / Extract based)

Submission Details

- Submit your project on the first day after vacations.
- Neatness, creativity, and originality will be evaluated.
- Late submission may lead to deduction of marks.

CHEMISTRY

- Write the following practicals in your practical notebook.

To identify the Acidic and Basic Radicals in the given Salt.

- **Solve the assignment shared in the Chemistry WhatsApp group related to Chapters Thermodynamics and Equilibrium .**
- **Solve the Annual Practice Paper shared in the Chemistry WhatsApp group to prep for Annual exams and revise the mid-term syllabus. Skip the Organic Chemistry questions.**

COMPUTER SCIENCE

- 1.Do the practical file work. Practical File work will be shared in your WhatsApp Group.**
- 2.Complete your notebook. (till Dictionary)**
- 3.Thoroughly revise all chapters covered so far.**