



DAV Public School, CRRC, Medical Road, Gaya

SUMMER VACATION HOMEWORK (2023 – 2024)

Class – XII (Science)

ENGLISH

1. Write the summary of the chapter 'The Last Lesson' & 'The Tiger King'.
2. Write the answer of all the short questions of 'Lost Spring'.
3. Write a letter to the editor of a national daily on the importance of sports and games on the need to create awareness about it. You are Sunita / Sameer, M. G. Road, Bangaluru.

BIOLOGY

1. Solve the NCERT exercise questions of Chapters Sexual reproduction in flowering plants and Principle of inheritance and variation.
2. Prepare the above chapters.
3. Practice all the diagrams of chapter Sexual reproduction in flowering plants.
4. Practice all crosses of chapter Principle of inheritance and variation.

CHEMISTRY

1. Compile the Questions – Answers of Chapters
 - a. Solution
 - b. Haloalkanes & haloareneson a fresh note-book.

PHYSICS

1. State Gauss's law of electrostatic and prove it.
2. Find electric field intensity due to an infinitely long line wire uniformly charged and having linear charge density.
3. Find electric field intensity due to an infinite plane sheet of charge by using Gauss's law.
4. Find the expression of electric field intensity due to a uniformly thin spherical shell
 - (a) At a point which lies outside the shell.
 - (b) At a point which lies on the shell.
 - (c) At a point which lies inside the shell.
5. Find the expression of electric potential at a point due to an electric dipole on the axial line.

MATHEMATICS

- | | |
|-------------------------------------|--------------|
| 1. Relations and functions | 20 questions |
| 2. Inverse Trigonometric Functions. | 10 questions |
| 3. Matrices. | 20 questions |

PHYSICAL EDUCATION

1. Write Questions / Answers of all taught chapters.

INFORMATICS PRACTICES

1. Write Questions / Answers of Ch – 01 (Python Pandas – 1)
2. Learn Questions / Answers of Ch – 01 (Python Pandas – 1)
3. Write any five programs using attributes (one attribute in one program) of Series.
4. Write Python program to arrange elements of Series in descending order.