



# DAV Public School, CRRC, Medical Road, Gaya

## Summer Vacation Homework (2024 – 2025)

Class : XII (Science)

### ENGLISH

#### Literature

- 1 Learn and write questions and answers of taught lessons in English notebook.

#### Writing

- 1 Debate on the topic "Brain Drain"
- 2 write an article on the following topics
  - (i) Mider men are slaves to modern gadgets
  - (ii) Craze for junk food among teenagers

### 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

### PHYSICS

#### Chapter -1

Superposition principle of Electric Potential .

Gauss's law -state and prove.

Applications of Gauss's law

### CHEMISTRY

Write Questions / Answers of Ch – 01 (Solutions)

### 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.

### INFORMATION TECHNOLOGY

1. Write Q/Ans of Ch – 01 (MySQL)
2. Learn Q/Ans of Ch – 01.
3. Write SQL commands for below tables :

#### Student

AdmNo	Name	Sex	DOB	Marks
1001	Raj Wardhan	M	11-05-2009	98
1002	Komal Kumari	F	07-05-2010	95
1003	Kamla	F	01-02-2010	90
1004	Kamlesh Kumar	M	05-05-2011	95
1005	Abhishek Kumar	M	07-05-2012	94
1006	Bablu Kumar	M	06-05-2011	90

- (i) To insert a new record with value 1007, Naincy Kumari, F, 11-06-2013, 95
- (ii) To display all records.
- (iii) To display all names starting with "K".
- (iv) To change name of "Kamla" to "Kmala Kumari".
- (v) To display records whose marks is greater than 90.
- (vi) To display records in ascending order of names.
- (vii) To display records whose sex is "M".
- (viii) To delete records whose marks is 90.
- (ix) To display records of female students.
- (x) To add a new column named "div" with data type varchar.