



# Delhi Public School

## Kolar Road Bhopal

### SUMMER HOLIDAY HOME WORK

SESSION: 2018 - 2019

CLASS - XI (PCB)

#### PHYSICS

- Write all the experiments of Physics as discussed in the class. Write them in the physics practical file under the following headings:-

1. Aim / Objective
2. Apparatus Required
3. Diagram
4. Theory / Principle
5. Procedure
6. Observation Table
7. Calculation
8. Result
9. Precautions (4 points)
10. Sources of error

#### CHEMISTRY

1. Preparation of standard solution of oxalic acid.
2. Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.
3. Preparation of standard solution of sodium carbonate.
4. Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution.

Experiment No.2 & 4 should have Aim, Apparatus, Chemicals required, Procedure, Theory, Observation table, Calculations, Result, Precautions.

#### BIOLOGY

1. Write all the experiments in the practical file under the following headings as discussed in the class:

1. Objective
2. Material Required
3. Theory
4. Procedure
5. Observation
6. Inference / Conclusion
7. Precautions

*Note* – well labeled diagrams and observation table should be made on the plane sheet and attached to the right side of the ruled sheet.

2. Conduct an investigatory project (as discussed in the class) and prepare a project report based on the same, under the following heads :-

1. Certificate
2. Acknowledgement
3. Introduction
4. Topic Details
5. Case Study
6. Bibliography

#### हिन्दी

1. किसी प्रतिष्ठित हिन्दी अखबार के खास-खास खबरों को पढ़कर विचार कीजिए। समय और समाज की जो तस्वीर आपके जहन में बनती है उसे लेख रूप में प्रस्तुत कीजिए। (शब्द सीमा – 300 से 400 शब्द, समय –1 घण्टा।)

2. किसी रेडियो नाटक को सुनकर उसे अपने शब्दों में पुनः कथा रूप में प्रस्तुत कीजिए। (शब्द सीमा – 200 शब्द)

## PHYSICAL EDUCATION

- Athletics, Basketball, Football, Handball, Hockey, Kho Kho, Rifle Shooting, Unified Basketball (Differently-abled Children) & Volleyball

### Record File shall include:

**Practical-1:** Modified AAHPER administration for all items.

**Practical-2:** Conduct Barrow 3 Item Test on 10 students.

**Practical-3:** Procedure for Asanas, Benefits & Contraindication for any two Asanas each lifestyle disease.

**Practical-4:** Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.

**Practical-5:** Any one game of your choice out of the list above. Labelled diagram of field & equipment Rules, Terminologies, History, Famous Players, Major Tournaments, Sports award & Skills).

## PSYCHOLOGY

- Make a brief synopsis of any 3 movies and 2 novels (fiction or non-fiction) and throw some light on the psychological aspect of each.

## PAINTING

Assignment based on : (1) Nature and objects studies  
(2) Painting Composition

### (1) Nature and objects study :-

- ✦ Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. Natural forms like Plants, Vegetables, Fruits and Flowers etc. are to be used. Geometrical forms of objects like Cubes, Cones, Prisms, Cylinders and Spheres should be used.

- ✦ Students will draw three living things and three non living things (objects) according to black and white technique.

### (2) Painting Composition :-

- ✦ Simple exercises of basic design in variation of geometric and rhythmic shapes in geometrical and decorative designs and colours to understand designs as organised visual arrangement.
  - In this make at least five compositions.
- ✦ Sketches from life and nature.
  - Students will draw 25 human sketches in the sketch book by using shading pencils HB, 2B, 4B, 6B, 8B for the sketching.

*Note :- Submission date for all the paintings 23<sup>rd</sup> June 2018*

## MUSIC

### (Additional Subject: Hindustani Vocal Music)

- Write any 10 alankars
- Write down the life history of Miya Tansen and any one classical singer of modern era.

Note : Medium of writing - Hindi

## INDIAN CLASSICAL DANCE - KATHAK

- Write in detail about Kathak dance and its three Ghorana
  - Jaipur
  - Banaras
  - Lucknow

**Principal  
DPS Kolar Road**