



Delhi Public School

Kolar Road Bhopal

SUMMER HOLIDAY HOME WORK

SESSION: 2018 - 2019

CLASS - XII (PCM)

PHYSICS

- Write 15 experiments (with the minimum of 6 from each section A and B), as discussed in the class. Write all the experiments in a separate physics practical file under the following headings.

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

- Write given Activities (with the minimum of 2 each from section A and B) in an Activity File.

CHEMISTRY

Write the given experiments in the practical file :

- 1) Prepare 0.05 M Mohr's salt solution and using this solution find out the molarity and strength of given KMnO_4 solution.
- 2) Prepare $M/50$ oxalic acid solution and using this solution find out the molarity and strength of given KMnO_4 solution.
- 3) To identify the anion and cation in the given salts.
 - a) Ammonium Carbonate
 - b) Ammonium Nitrate
 - c) Ammonium Chloride
 - d) Lead Bromide
 - e) Lead Acetate

(Experiment no. 1 and 2 should include Aim , Apparatus , Chemicals required , Theory , Procedure , Observation table , Calculations , Result , Precautions.)

MATHEMATICS

- Solve the assignment based on Chapter 5 - Continuity and Differentiability and Chapter 6 – Applications of Derivatives.

हिन्दी

1. वर्तमान में देखी हुई प्रेरणादायी हिन्दी फिल्म की खूबियों एवं कमियों पर विचार करके एक व्यवस्थित आलेख प्रस्तुत करें। (शब्द सीमा – 300 शब्द)
2. दृश्य-श्रव्य माध्यम की तुलना में श्रव्य माध्यम की कुछ सीमाएं होती हैं। उस सीमा को कैसे पूरा किया जा सकता है, टिप्पणी कीजिए। (शब्द सीमा – 150 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

- Develop a case profile using appropriate method like interview, observation and psychological test. Follow the format given in NCERT Text Book (Page No. 199) for preparing a case profile

PAINTING

Assignment based on : (1) Nature and objects studies

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

(1) Nature and objects study :-

- ✦ Draw and paint the still-life of a group of objects arranged on a drawing board before you, from a fixed point of view (given to you), on a drawing paper of half imperial size in colours. Your drawing should be proportionate to the size of the paper. The objects should be painted in realistic manner with proper light and shade and perspective, etc. In this study the drawing board is not to be included.
- ✦ Arrange the still life objects at one place and make two still life painting.

(2) Painting Composition :-

- ✦ Make a painting – composition on any of the following subjects in any medium (water / poster, tempera, acrylic) of your choice on a drawing-paper of half imperial size either horizontally or vertically. Your composition should be original and effective. Weightage will be

given to a well creative composed drawing, effective use of media, proper emphasis on the subject matter and utilization of full-space.

- ✦ **Subjects** - Swachhata Abhiyan / Heritage, Madhubani Painting, Holi Festival, A Game which I like / Fantasy, Fisherman (Fishing Scene) / Family Occupation.
- ✦ Students are required to complete their paintings, finishing will be done in class after summer holidays.

Note – Submission date for all the paintings 23rd June 2018.

HINDUSTANI VOCAL MUSIC

(To be done in the practical file)

- Write down Raag – Bhairav and Raag – Baageshri with its description, Sargam Geet, Bandish and Taan.
- Write Taal – Jhaptaal and Ektaal with its description and also write down its dungun.

Note : Medium of writing - Hindi

INDIAN CLASSICAL DANCE

(To be done in the practical file)

- Write down the brief description of Kathak dance.
- Give taal parichaya of teen taal and Jhap Taal and its tha dugun Chaugun and 3 – 3 boles of each taal.

Note : Medium of writing – Hindi

Principal

DPS Kolar Road