

**गुरुकुल Montessori School**  
**Class 12<sup>th</sup>**  
**PCMB Summer Holiday Home work**

**Physics**

1. Complete activity file
2. Do 10 numericals and 2 short questions from each chapters.

**Chemistry**

*Ch- haloalkane haloarenes Exercise 10.1 to 10.22*

*Ch- alcohol phenol and ether*

*Intext question 11.1,11.3,11.4,11.5,11.6,11.7,11.8,11.9*

**Maths**

Solve 15 Questions of each chapters ( relation and function, I. T. F, Matrices) out of N. C. E. R. T Total questions should be 45.

**English**

1. *Ageing parents is a major concern for youth. Provide some practical measures to make a perfect balance between personal life and professional life. As a beloved son or daughter of your parents how can you suggest the ways to revive the deep rooted sacrament (sanskars). Show the realistic plight of deprived parents who are waiting for their hopes. How can you bring the valid transformation in the world? Make a suitable report of 8 pages to show the problem as well as solutions. You can take the help of your poem My Mother at Sixty -Six by Kamala Das.*
  2. *Write the format of following topics and write down 5 samples for each topic . Report , Invitation, Article, Formal letters, Report Writing*
- Solve 10 unseen passages*  
*All work must be done in fair notebook*

**Hindi.**

1. *Project file , related any poet, writer or language.*
2. *Revision of all chapters*
3. *Solve unseen passages (5 from gadya + 5 from kavya)*

## **Computer**

*Solve all the Unsolve Questions*

- 1. Simple Queries in SQL*
- 2. Table Creation and Data Manipulation Commands*
- 3. Grouping Records, Joins in SQL*

## **Physical education**

- 1- Revise 1st & 2nd Chapter 2- Draw a fixture of 21 teams*
- 3- Draw a fixture of 9 teams through Cyclic Method.*
- 4- Write about the causes of Diabities and asanas for its prevention. 5- Write about the causes of Obesity and asanas for its prevention.*

## **Yoga**

- 1- Prepare Note of Chapter -2*
- 2- Do regular exercise minimum 30 min.*
- 3- Do Surya Namaskar and Asanas daily at least 5 Asanas daily. 4- Learn Surya Namaskar Steps & Mantra's.*

## **Biology**

Note:-Dear students you have to prepare a Biology practical examination project on project sheets with following instructions

- Cover page (printed form) – school name, your name, teachers name, Topic
- 2<sup>nd</sup> page- certificate
- 3<sup>rd</sup> page- acknowledgement
- 4- page – index
- 5<sup>th</sup> onwards- content
- Last page - Bibliography
- Should be hand written
- Hand made diagrams compulsory
- A few diagrams can be pasted
- Content should be a collection from NCERT, Reference book & Google

- Sentences should be self framed not bookish.
- Topics are given roll no. Wise, check the topic written against your roll

Roll no.	Topic
1,13,26,39,	Prefertilisation events in a flower
2,14,27,40,	Post fertilization events in Angiosperms
3,15,28,	Mendel's laws of inheritance with 4 types of Monohybrid and Dihybrid cross.
4,16,29,42,	Genetic disorders
5,17,43,	Transcription and translation with its Machinery
6,18,31,	AIDS & cancer, their prevention, diagnosis, & treatment
7,,32,45,	Fertilization & pregnancy and embryonic development
8,20,33,46,	Evidences of evolution and Hardy Weinberg's Principle
9,21,34,47,	Experiments based on search for genetic material
10,22,35,	Gametogenesis , fertilization & implantation.
11,23,36,	Drugs and alcohol Abuse with detail of all NCERT Drugs .
12,24,37,	Replication and it's machinery and semiconservative nature of DNA replication with diagram.
25,38,49,	Sexually transmitted diseases and Assisted reproductive Technologies.
30,44,19	Microbes in Household and Industrial product
41, 48,50	Applications of Biotechnology in agriculture and Medicine