



SACRED HEART SCHOOL

Jhumri Telaiya, Koderma

SUMMER VACATION ASSIGNMENT (2023-24)

Class - XI

Subject –ALL

Physics

1. Write the dimensional formula for all derived quantities given in book.
2. Using dimensional analysis check-
 - i) $v=u+at$
 - ii) $s=ut +1/2 at^2$
 - iii) $T=2l/g$
 - iv) Convert 1N into cgs unit.
 - v) Convert 1 erg into joule

Chemistry

- *To prepare a list of phenomenon occurring in our daily life related to science.
- *At least -10 phenomenon with proper explanation.

Biology

1. Write a short biography about famous scientist, Carolus Linnaeus as father of taxonomy & binomial nomenclature in 500 words.
2. Illustrate the taxonomical hierarchy with suitable examples of a plant and an animal.
3. Write briefly about TMV and Bacteriophage with suitable labelled diagram.

Maths

1. Solve the sheet given in the class group.
- Project work
2. Make mathematical model of trigonometry and it's angle.

IT

Draw the structure of basic computer organization on drawing sheet.

Draw the mobile system organization ,and explain the parts on drawing sheet.

English

Instructions regarding Summer Vacation Assignment :

- * Students will have to read newspaper daily during summer holidays.
 - * Then, they will find any enthralling article/report/editorial content which amused them the most.
 - * Students will paste that content in their class notebook and will write about their Opinion/views/alikeness/unlikeness about it.
 - * Next, they will record that selected write up in their voice and e-mail/ WhatsApp.
 - * Recording should be of 3-4 minutes.
 - * The Pasted news should be original not photocopied.
- Q. All the students are suggested to watch the movie “Mrs. Chatterjee and Norway” and write the summary of the same. With the reference of the movie how would you analyse the significance of your mother in your life?
- Q. Write 10 sentences describing their clauses (subordinate noun clause, Adjective/Relative and Adverb clause).