

CLASS XI HOLIDAY HOMEWORK

“A Vacation is having
nothing to do and all
day to do it in”





E N G L I S H

- 
- Based on the chapter 'The Portrait of a Lady' by Khushwant Singh, prepare a Power Point Presentation.
 - Compare and contrast the characteristics of the author's grandmother with that of your own grandmother and prepare a PowerPoint Presentation.

 - Please note the following points:
 - 1 . Give a title to your presentation.
 - 2. Add some pictures of your grandmother.
 - 3. Number of slides should be 7-10.
 - 4. Also write a note on your association with your grandmother.
 - 5. Make it attractive and colourful.



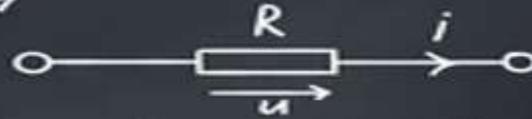
⊕ ⊖

$$a = \frac{F}{m}$$

$$t = \frac{s}{v}$$



$$p = \frac{F}{S}$$



$$v = \frac{s}{t}$$



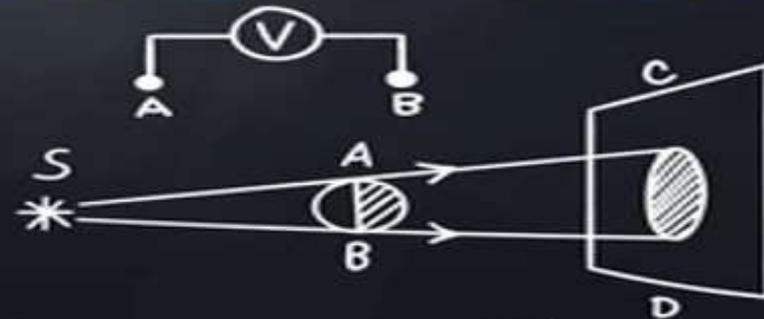
Physics



$$I = \frac{U}{R}$$

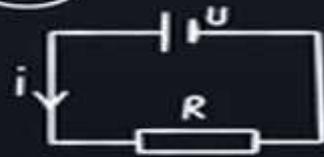


$$I = \frac{\mathcal{E}}{R+r}$$



$$E = mc^2$$

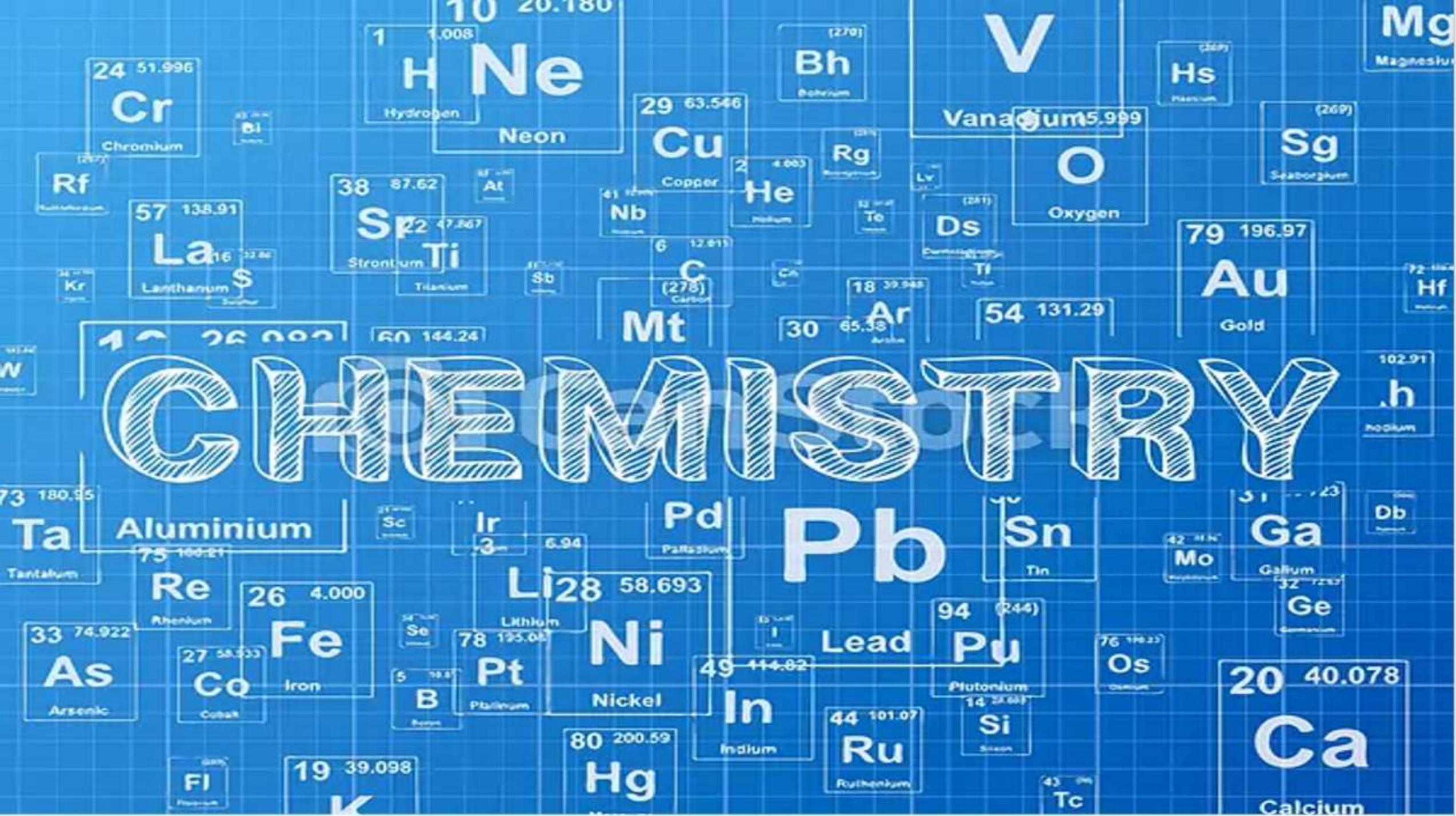
$$\lambda = vT$$



$$T = 2 \times \pi \sqrt{\frac{l}{g}}$$

- 
- 1. Write the formulae of Physical quantities (all as given in NCERT text book) and Write their dimensional formulae.
 - 2. Do numericals on the applications of Dimensional analysis (at least 10) from each category.

CHEMISTRY

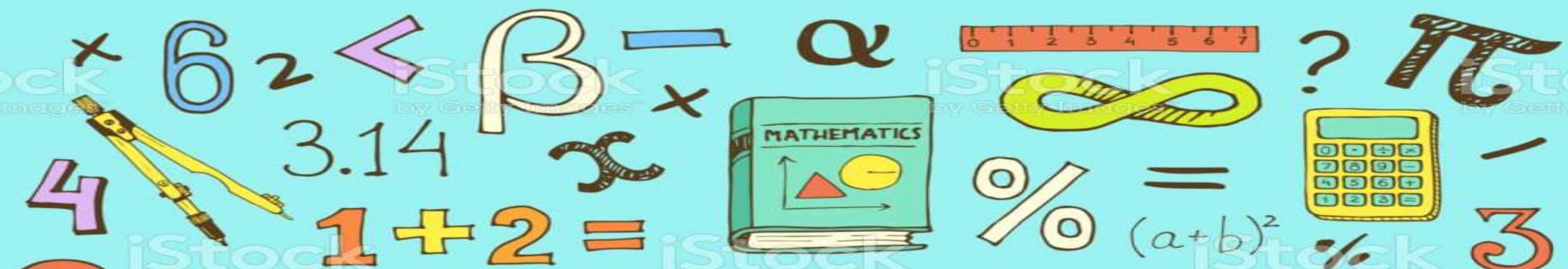


- **Create an elements card deck**
 - Make attractive cards for group number 1, 2, 13 to 18 elements till 5th period of Modern periodic table.
 - The size of each card should be half of A4 size sheet.
 - The cards should specify the following details
 - **Name of the element**
 - **Atomic number**
 - **Electronic configuration**
 - **Any two properties**
 - Use your creativity to make these cards attractive.

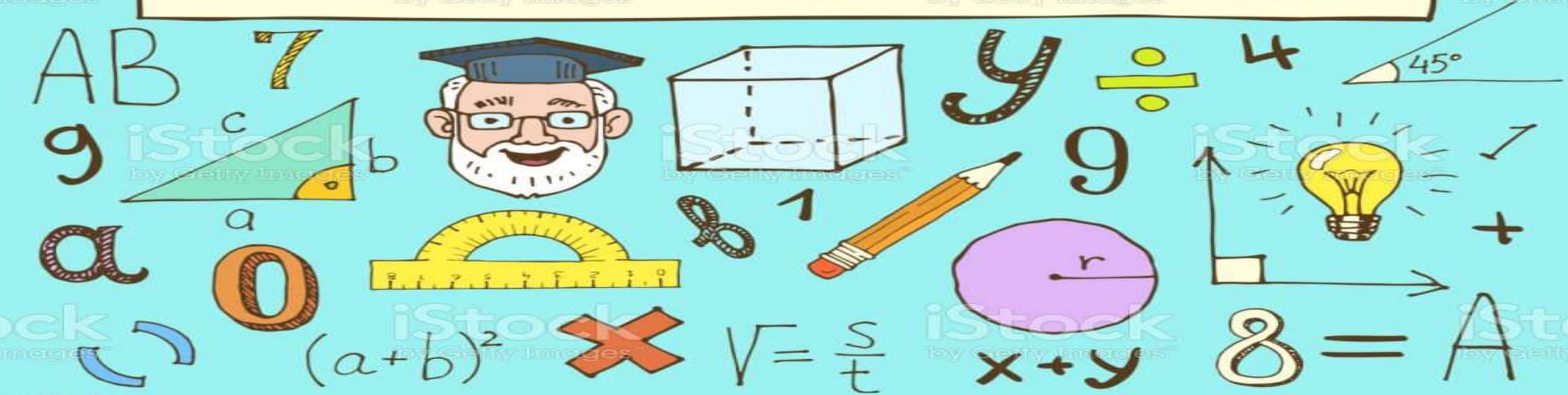
Biology



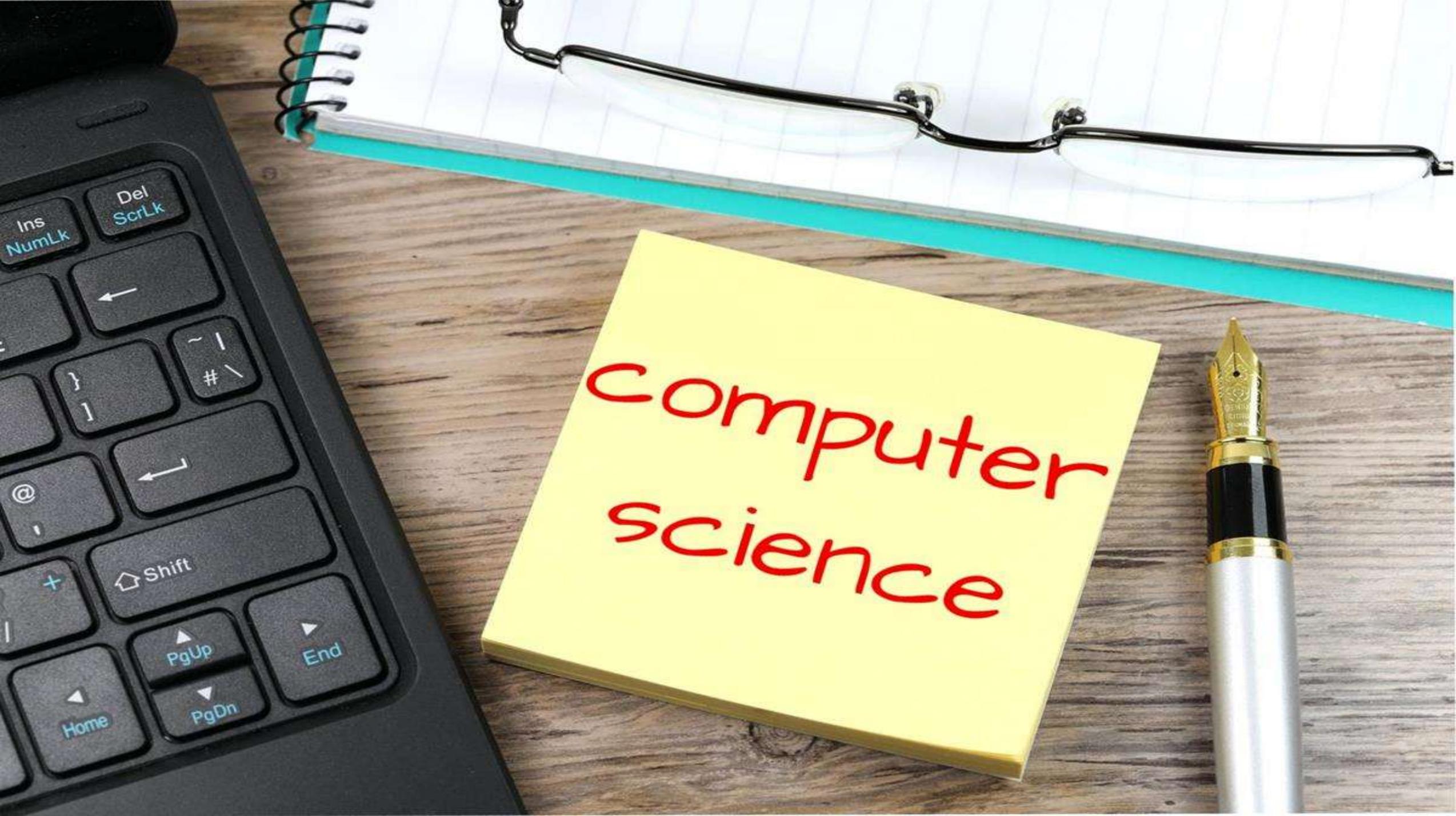
- **Short presentation on biological classification (At least with one kingdom)**
- **Instructions:**
 - 1. Topic must have introduction, needs of classification.**
 - 2. Information about all the type of classification.**
 - 3. Complete information about any one kingdom.**
 - 4. Relevant diagram must be attached with your presentation**
 - 5. Cover page must be attached**
- **Mode: PPT/Video**



MATHS



- Do anyone of the following projects. You'll make PPT along with the hard copy. Hard copy to be submitted in folder to your respective teachers.
- 1. Music & Maths
- 2. Origin of Real Numbers
- 3. Five Indian mathematicians & their inventions.
- 4 Invention & application of Trignometry
- And PPT will be submitted on given mail Id:-
- Mr Virendra 1235vks@gmail.com
- Mrs Rita Sud ritasud@ymail.com
- Mr Neeraj 4neerajkumar@gmail.com



computer
science

- **Note:**

- Holiday Homework Pdf of the questions and PPT can be attached in a single mail.
- Holiday Homework will be mailed on the mail id ucsss.lancyjoseph@gmail.com.
- Last date for submission of Holiday Homework is 2nd July 2022.

1. What do you understand by VPN? Support your answer by giving examples.
2. Explain Distributed Database. Give an example of a distributed database.
3. Mention the rules / IT Acts for an appropriate use of social media.
4. Explain the differences between DBMS and RDBMS with example.
5. Explain the concept of cloud computing along with its application areas.
6. Prepare a PowerPoint presentation on **any one** the following topics (Min. 15 slides):
 - Blockchain technology

Or

- Artificial Intelligence

- Draw and collect pictures related to various sports careers and further each groups will explain in detail about one career and like wise .THIS activity can also be done in groups and in individual basis too.
- Suggested Links:-
- <https://www.embibe.com/exams/career-in-physical-education/>
- <https://www.sportskeeda.com/cricket/the-science-behind-the-glowing-students-and-bails-in-cricket>
- You have to do any five asanas and clicking the pictures and make a collage. Please send Naresh Kumar and Savita Rathi on personal WhatsApp number. (For 21 June International Yoga day)
- Naresh Kumar-9871858051
- Savita Rathi-9717070949



History

- 
- Make a powerpoint presentation on 'Mesopotamian Civilization' with 13 to 15 slides.
 - Each student will be explaining the content in the class Individually/ Group
 - Project to be done in group or individually or in groups.



Political Science

- 
- Make a PowerPoint presentation on Features of Indian Constitution with 10 to 12 slides.
 - All five features should be mentioned in it as discussed. Each student will be explaining the content in the class individually.



ECONOMICS



- 
- Make a PPT (PowerPoint Presentation) on Developed v/s Developing Economies, with example.
 - On an A4 one sided line sheet, Write difference between Micro and Macro Economics with different & comparing examples
 - Make a small project on **PPC (Production Possibility Curve)**

(Hints:- Meaning..... Assumptions.....Shifts & Shapes.....Does PPC solve central problems of an economy...).

Happy Summer Holidays.

Enjoy the summer
with your close ones.

