

## RAMAKRISHNA SENIOR SECONDARY SCHOOL SUMMER

### HOLIDAY HOMEWORK

#### CLASS XII (2025-26)

Dear Parents

*Greetings from the RKS Fraternity!*

The Academic Session 2023-24 has begun in full swing and students have settled well in their classes. Now is the time for Summer Break. The School will be closed for Summer Break from May 31, 2025 to June 30, 2025. The school will reopen on July 1, 2025. In order to keep our students well engaged, we are sending the **Summer Holiday Homework**.

#### **General Instructions:-**

1. Do all the work as specified by the subject teacher.
2. Submit your Holiday Homework in the first week of July as per the teacher's instructions.
3. The students must do their work neatly in their own handwriting. Marks of Internal Assessment will be awarded only if the students do the work in their own handwriting.

Summer Vacations are the most awaited holidays by the students. It is also a time to enjoy those little pleasures of life that get overlooked during the busy school routine. They get a positive bounce back when they rejoin school after this much-needed break. There are a few things that students can keep in mind to utilize this break fruitfully.

- Go for educational trips and excursions.
- Spend quality time with family and friends
- Pursue your hobbies and interests
- Sharpen your skills and develop new ones
- Follow a fitness regime to stay agile both mentally and physically
- Learn and explore new things
- Relax your body and mind because, „*A Healthy Mind Lives in a Healthy Body*’.

*‘Have a delightful and productive Summer Break*

#### **ENGLISH:**

1. Prepare a General Studies Project on the topic ‘Science and Society’ on A4 sized white ruled sheets.

Resources such as newspapers, books, magazines, TV Channels and the internet (relevant websites) can be used.

The project should include the following:

4. Title of the topic
5. Introduction to the topic/ Nature of Science



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6. How science and society are related / Science as a social enterprise
  7. Role of science in society
  8. Role of science in developing society
  9. What will be your contribution or an appeal to the people for the topic you have been allotted
  10. Conclusion ( clearly mentioning if you want to strengthen a move or you want to condemn it- depending on the topic)
  11. Bibliography/ list of resources used.
2. Attempt the following Comprehension Passages in Evergreen Practice Papers:
1. Evergreen Test Assignment-5
  2. Evergreen Test Assignment 64
  3. Evergreen Test Assignment 10
3. Attempt the following Notice Writing questions in C W. Notebook:
1. The problem of the residents' parking of vehicles, often leading to minor scuffles, has become a source of growing concern. As Secretary of Goodwill Flats Welfare Association, Shripur, write a notice informing the residents about a meeting to discuss the problem and find an acceptable solution. Invent necessary details.

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### **PHYSICS:**

1. Investigatory project.

Topics already Have been allotted and discussed in class.

2. To prepare Activity File

Three Activities are to be written from section A. And Three Activities from Section B .

The activities also have been discussed in class.

The Activity file will be made seperately apart from Practical file.

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3. Make a project on General Studies on the topic. "Career Pathways "

- Goal setting
- Common carrier path
- Internship as a medium of transition from schools to universities.

### **CHEMISTRY**

1. Prepare a GENERAL STUDIES PROJECT (as per CBSE guidelines)

Topic : Contemporary problems of Indian Society3. Sub topics to be covered in the project

- Issues related to women
- Health care system
- Contemporary phase



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Instructions to be followed:

- i). Maximum pages: 8- 10
- ii). Use white A4 sized ruled sheets(one side) only

## **2. CHEMISTRY INVESTIGATORY PROJECT (as per CBSE guidelines)**

### **Instructions to be followed:**

1. Use white A4 sized ruled sheets(one side) only.
2. Pattern to be followed while preparing the project:

Page 1 : Title of the project

Page 2: Certificate

Page 3: Acknowledgement

Page 4: Index

Page5-6: Introduction/Theory

Page 7: Reagents and apparatus used

Page 8-9: Experimental studies/Procedure

Page 10: Observations and results

Page 11: Conclusion

Page 12: References

Below mentioned link is for Topics assigned Roll No wise :

[LIST OF INVESTIGATORY PROJECTS](#)

### **3. Write the practicals done so far in the practical file**

#### **(i) Quantitative analysis:**

(1) (a) Preparation of the standard solution of Oxalic acid of a given volume (b) Determination of molarity of  $\text{KMnO}_4$  solution by titrating it against a standard solution of Oxalic acid.

(2) The above exercise [ (a) and (b)] to be conducted using Ferrous ammonium sulphate (Mohrs salt) .

#### **(ii) Tests for the functional groups present in organic compounds:**

(1) Aldehydes and Carboxylic groups.

4. Revise the classwork done so far and practice the questions given in the Question Bank link in the activity sheets (A-4, Ruled).

[12\\_CHEMISTRY\\_QUESTION BANK FOR PRACTICE](#)

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### **MATHS**

- Make the project on general studies on the topic "Human Rights"

1. The universal declaration of Human Rights and it's significance
2. The responsibility of individuals, communities, and business in promoting Human Rights.
3. The relationship between Human Rights and sustainable development.

Take the printout of Pdf file posted in google classroom and paste them in class work notebook and solve the questions.

- ☒ Do the work given for Ch 8: Computer Network – I as instructed in class.
- ☒ Do the following questions on Python IDLE and write the code with output in your CW/HW register:

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1. WAP to take a no. from user & calculate and print Factorial of it using Function fact().
  2. WAP to take a no. from user & calculate and print reverse of it using Function reverse().
  3. Write a Python program to multiply all the numbers in a list by 10 and display.
  4. Arun is a class XII student of computer science. The CCA in-charge of his school wants to display the words from a text files which are less than 4 characters. Do the needful by creating a function FindWords().
  5. A binary file "Toy.dat" has structure [TID, Toy, Status, MRP].
    - i. Write a user defined function CreateFile() to input data for a record and add to "Toy.dat"
    - ii. Write a function OnOffer() in Python to display the detail of those Toys, which has status as "ON OFFER" from "Toy.dat" file.
  6. Write a user defined function in python that displays the number of lines starting with 'H' in the filepara.txt
  7. Take printout and attach in a separate file.
  8. **Make a General Studies Project for the given topic covering the given sub points. The project must include 10-12 pages.**
    - \*Social Responsibility\*
    - i) Types of Social Responsibility
    - ii) Role of Students within a group
    - iii) Principles of Socially Responsible behaviour
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## **BIOLOGY**

- Q1. Make project on Topic – "Social Responsibility" which must include:
- i) Types of social responsibility.
  - ii) Role of students within a group.
  - iii) Principles of Socially Responsible behaviour
- Q2. Do all the biology experiments in the practical file as discussed in class. Complete your practical file.
- Q3. Make investigatory project of biology as per CBSE guidelines on loose sheets.
- Q4. Do exercise of Lesson 4: Principles of inheritance and variation  
Lesson 5: Molecular Basis of Inheritance in class work note book.
- Q5. Do practice from question bank uploaded in Google classroom.
- Q6. **Make project on Topic – "Social Responsibility" which must include :**
- Types of social responsibility.
  - Role of students within a group.

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- Principles of Socially Responsible behaviour

## **PHYSICAL EDUCATION**

File Work

1. Yoga as Preventive Measure for Lifestyle Diseases

- 1) Obesity
- 2) Diabetes
- 3) Asthma
- 4) Hypertension



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5) Back Pain

\*Meaning

\*List of Preventive Asanas

and Pranayamas are helpful to cure.....

(explain any two from list)

2. Write detailed explanation of any one GAME of your choice in Physical Education file out of the list below:

\*Basketball, Volleyball, Kho-Kho, Football, Kabaddi, Hockey, Cricket, Badminton, Gymnastics and Handball.  
Including:

1. History of the game
  2. Labelled diagram of field/court paste/draw.
  3. Equipment used
  4. Fundamentals Skills
  5. Terminologies
  6. Basic Rules
3. Make the project on general studies on the topic

"Human Rights"

- The universal declaration of Human Rights and its significance
- The responsibility of individuals, communities, and business in promoting Human Rights.
- The relationship between Human Rights and sustainable development.

#### **PAINTING**

1. Make two Landscapes with water colours.
  2. Make two compositions with three human figures with water colours.
  3. Note= Do your homework on your Ivory sheets or cartridge sheets.
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#### **WORK EXPERIENCE**

Prepare a Project on

Visit an Old Age Home and organise the activities for the aged people.

Title of Project file: *Visit to an Old Age Home.*



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