RAMJAS SCHOOL ANAND PARVAT

SESSION: 2025-26

HOLIDAY HOMEWORK

CLASS XII SCIENCE

"Learn while you explore", makes for a summer you 'll adore! "

Dear Students,

Learning is the beginning of wealth, Learning is the beginning of health, Learning is the beginning of spirituality. Searching and Learning is where the miracle process all begins.

…………..Jim Rohn

The summer vacation, this time would be ice creams, candies and cool pool, but time can in honing skills and interests. It is better to bloom, than to be a bud, and you are

responsible young members of the nation and it's your duty to follow rules. Here are

some holiday activities designed for creative utilization of time. Give flight to your

imagination and spend time with a purpose. This summer vacation, the holiday

homework is designed by the mentors of the school as a medium for you all to achieve

the motto of 'Fun and Learn'

· **REMEMBER**

-Neatness and hygiene are part of your routine.

- Holiday homework is a part of subject enrichment and will be assessed on the basis of creativity and efforts of the students.

- It's a perfect time to enhance your speaking skills and vocabulary by conversing in English with your family and siblings.

- Reading is essential for those who seek to rise above the ordinary. Spend your quality time reading motivational books.

- A beautiful handwriting makes a good impression. Practice one page of English and Hindi writing daily.

- Schedule your time for activities so that there is no piling up at the last moment.

- Holiday homework should be your authentic creative work.

Please note that this file contains 4 pages

SUBJECT :ENGLISH

1.Create a picture collage / mind map/ comic strip or illustration on any one of the following chapters using A-3 coloured sheets.
1) The Last Lesson
2) Lost Spring
3) Deep Water
4) Tiger King

Note:-Creativity and originality using eco-friendly/best out of waste material will be appreciated.

2.Project **(On Any One Topic)** – General Studies (individual project) – Details of the project will be shared in class.

a) Science and Society   d) Contemporary Problems of Indian Society

b) Career Pathways   e) Social Responsibility

c) Human Rights

- Ensure that there are no spelling or grammatical error in your presentation.
- All assignments will be awarded marks.

SUBJECT : PHYSICS

1. Revise and solve NCERT back exercise questions of Ch-1 & Ch-2 on A-4 Size white sheets. Revise and prepare these chapters thoroughly.
2. Solve the given assignment on A4 sheets .
3. Project work

Prepare an Investigatory Project (handmade) on the topic related to your syllabus.
The project should be of 13-15 pages, excluding the title page and bibliography page.
It should contain the following headings:
Cover page (having school name, name of student, class, topic of project)
Table of contents
Certificate
Acknowledgement
Introduction to project
Theory

Experimental Analysis / Investigation done
Observation
Conclusion / Inference
Bibliography / References

SUBJECT : CHEMISTRY

- Revise Ch-1 & Ch-2 and solve all the NCERT back exercise questions of these two chapters on A-4 Size white sheets. Revise and prepare these chapters thoroughly.
- Prepare any self-composed meme/ poster/ poem (on A-3 size sheet) related to any topic of Ch-1 (Solutions) or Ch-2 (Electrochemistry).Make it creative and aesthetic by using different colours/paints/craft-work.
- Prepare an Investigatory Project (handmade) on the topic that has been allotted to you in class. The project should be of 13-15 pages, excluding the title page and bibliography page. It should contain the following headings:
- Cover page (having school name, name of student, class, topic of project)
- Table of contents
- Certificate
- Acknowledgement
- Introduction to project
- Theory
- Experimental Analysis / Investigation done
- Observation
- Conclusion / Inference
- Bibliography / References

SUBJECT : MATHS

Do Art Integrated Project on any one of the following Topics :
1. Matrices
2. Determinants
3. L. P. P.
4. Vectors
5. 3D
6. Types of function
7. Relation of Geometry and Maths
Mode of performing Art Integrated Projects
1. Art
2. Collage
3. PPT
4. Poster
5. Mind Map
6. Flow charts
Solve 10 years CBSE QUESTIONS on following topics

1. Matrices
2. Determinants
3. L. P. P.
4. Vectors
5. 3D

SUBJECT : PSYCHOLOGY

1. Make a model on any one intellectual approach.
2. Write a case profile including
Introduction,Definitions,Types,Causes,Intervention and
Management.
3. Learn and Write all Mcq's from chapter 1and 2.
4. Write 2 Practicals on practical file included questionnaire.
5. Revision of all Ncert textbook read questions.

SUBJECT : BIOLOGY

1. Completion of Notebooks till Reproductive Health.
2. Completion of practical file till Exp-8 performed in labs before the vacations.
3. Learn and Revise for UT-1
4. Investigatory project on self-chosen topic.

SUBJECT : COMPUTER SCIENCE

Q1Find and write the output of the following python code:

```
def ChangeVal(M,N):
    for i in range(N):
        if M[i]%5==0 :
         M[i]//=5
        if M[i]%3 == 0:
            M[i]//=3
L=[25,8,75,12]
ChangeVal(L,4)
for i in L :
    print( i, end='#' )
```

Q2 What will be the output of the following Python code?

```
def say(message, times=1):
    print(message * times)
say('Hello')
say('world', 5)
```

Q3 Predict the output of the following:
names=["Sonali","Pranali","Meetali","Kanishka"]
 names2=names
names2[1]="Vishakha"
 names[3]="Pratichi"
 print(names)
 print(names2)
Q4 What will be the output of the following Python code?
x=50
def func():
   global x
   print('x is', x)
   x=2
   print('Changed global x to', x)
func()
print('Value of x is', x)
Q5 Write a Python program to get a string from a given string where all occurences
of its first char have been changed to '$', except the first char itself.
Sample String : 'restart'
Expected result : 'resta$t'
Q6 Write a Program to count the frequency of an element in a given list.
Q7 Write a Program to remove duplicate characters of a given string.
Q8State True/False
   (a) More than one value(s) can be returned by a function in python.
   (b) Function can alter only mutable data types
   (c) List slice is a list in itself.
   (d) A function can return multiple values in python

ART INTEGRATION

Q9 Create the following dictionary based on Andaman Nicobar Islands data:

Total Population	4,34,192
Total Area	8,249
Total Islands	936
Inhabited Islands	31
Districts	3
Tehsil	9

Write the python statements for the following:
a) Display only keys
b) Display only values
Prepare this in the form of PowerPoint Presentation.

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