RAMJAS SCHOOL ANAND PARVAT NEW DELHI – 110005
SUMMER HOLIDAY HOMEWORK (SESSION 2024-25)
CLASS XII - *COMMERCE*

SUBJECT: ENGLISH

1. Create an Invitation Card (any social event) using coloured sheets.
   Note: -Creativity and originality using eco-friendly/best out of waste material will be appreciated.

2. Project **(On Any One Topic)** – General Studies (Two - Four students per topic)
   a) Science and Society
   b) Career Pathways
   c) Human Rights
   d) Contemporary Problems of Indian Society
   e) Social Responsibility

3. Project **(On Any One Topic)** – English (Two – Four students per topic)
   Topic 1 – Racism is Universal
   Topic 2 – Indigo & Civil Disobedience Movement
   Topic 3 – Development & Disasters are Interlinked
   Topic 4 - Human Rights – A Reality Check
   Topic 5 – All is not Well – Climate Change & its Consequences
   Topic 6 – Positive All the Way – Inspiring Men & Women
   Topic 7 - Social biases in India
   Topic 8 – Women Empowerment
   Topic 9 - Children of Lesser God
   Topic 10 – Stereo-Typical Portrayal of Women in Indian Films

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

SUBJECT: ACCOUNTANCY

1. Prepare the following Sheets for the project work
   o Acknowledgement
   o Certificate
   o Tittle Sheet
   o Introduction of the Company
 Bring the Balance Sheet of Company selected for further project.
2. Revise Ch- Fundamental of Partnership, Change in PSR
3. Attempt Back exercise questions of these chapters in Class register
4. Prepare AIL on A-3 sheet on any one of the topics from the following chapters:
   Ch- Fundamentals of Partnership
   Ch- Goodwill of Firm
   Ch- Change in PSR
   Ch- Admission of a Partner

SUBJECT: BUSINESS STUDIES

Prepare the project work on the topic allotted-
❖ **Project A: MARKETING MANAGEMENT**
❖ **Project B: BUSINESS ENVIRONMENT**
❖ **Project C: STOCK EXCHANGE**
❖ **Project D: PRINCIPLES OF MANAGEMENT**

PRESENTATION AND SUBMISSION OF PROJECT REPORT OF PROJECT
The following essentials are required to be fulfilled for its preparation and submission.
1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence
(a) The cover page should include the title of the Project, student information, school and year.

(b) List of contents.
(c) Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).
(d) Introduction.
(e) Topic with suitable heading.
(f) Observations and findings of the visit.
(g) Conclusions (summarised suggestions or findings, future scope of study

Instructions:
1. The work has to be done on A4 size interleaf sheets.
2. It should be written in neat handwriting.
3. The file should not be spiralled.
4. The project should be hand written and no print-outs to be used for content writing.

Revise Ch- 1, Ch-2 and Ch-3 and solve case studies in Business Studies class register

SUBJECT: ECONOMICS

1. Prepare an AIL project on A-4 size sheet on any topic related to Economics. The project must be original showcasing your understanding of the topic in which you will display content with the help of art.
2. Finalise title of your project, write introduction, collect material for review of literature and collect data related to the title.
3. Revise thoroughly Ch.1 and Ch.2 of IED.
4. Attempt questions from last five years CBSE question papers related to NYA.

SUBJECT: MATHS

Do AIL on any one of the topics of the following Topics:

1. Indefinite Integration
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Differential Equations
6. AOI (Area under the bounded curves)
7. Continuity and Differentiability
8. Maximum and Minimum values of a function in closed interval
9. Types of function
10. Relation of Geometry and Maths

Mode of performing AIL
1. Art
2. Collage
3. PPT
4. Poster
5. Mind Map
6. Flow charts

 # Solve 10 years CBSE QUESTIONS on following topics
1) Derivatives
2) AOD
3) Inverse Trigonometry
4) Integration

SUBJECT: INFORMATICS PRACTICES

Q1. True or False:
   a) To access the subset of a dataframe we use loc and iloc methods.
   b) Missing data in Series and Dataframe can be filled with NaN value.
   c) Iteritems ( ) brings horizontal subsets from a data frame.
   d) In a data frame axis=0 is for columns.
   e) In data frame loc method, upper limit is inclusive.
Q2. Differentiate the following:
   a) at and iat
   b) iterrows ( ) and iteritems ( )
Q3. Consider the following code:
import pandas as pd

Area=pd.Series([2222,3333,1111,5555,8888,4444,6666,9999])
Write the python statements for the following:
    a) Display the series values which are greater than 5555.
    b) Set the index to "A1","A2","A3","A4","A5","A6","A7","A8"
Q4. Consider the data frame empDF:

Ecode	Name	Gross	Tax
E1	John	2000	1000
E2	Cathy	4000	2000
E3	Paul	5000	3000
E4	Shane	8000	4000
E5	Lara	2000	1000

import pandas as pd
Empdata={"Ecode":["E1","E2","E3","E4","E5"],"Name":["John","Cathy","Paul","Shane","Lara"],"Gross":[2000,4000,5000,8000,2000],"Tax":[1000,2000,3000,4000,1000]}
empDF=pd.DataFrame(Empdata)
Now write the Pandas statement for the following:
    a) Display the shape of the empDF
    b) Add a new column named "Savings" with values 3000,4000,2000,1000,3000
    c) Create a new column named "Net_Salary" by calculating Gross + Savings – Tax
    d) Write the output of the following: print(empDF.T)

Q5. Consider the following data frame df:

	2020	2021	2022
Q1	20000	10000	40000
Q2	30000	20000	30000
Q3	10000	30000	20000
Q4	40000	40000	10000

    a) Write the output of the following statements:
        i)   print(df.loc['Q2':'Q3',['2020':2021'])
        ii)   print(df.loc[:,['2021':2022'])
        iii)   print(df[2022'])
        iv)   print(df.iloc['Q4'])
    b) Write the Pandas statement for the following:
        i)   Display all rows but of only 2020 and 2022 columns
        ii)   Remove Q4 row data
        iii)   Remove 2020 column data
        iv)   Display rows from Q1 to Q3 of all columns using loc and iloc method
Q6. Write a Pandas program to create two data frames named df1 and df2. Then concatenate these two data frames in third data frame named df3.

DF1		DF2	
Adm_No	**Fees_Due**	**Adm_No**	**Fees_Due**
101	7000	707	7000
202	14000	808	14000
303	7000	505	7000
404	23000	909	23000

Q7. Differentiate between head and tail function with the help of example using series and data frame.
ART INTEGRATED PROJECT
Q8. Create the following data frame named DF using nested dictionary and dictionary of lists:

	Andaman_Nicobar_Islands	Lakshdweep
Population	434192	64473
Area	8249	32
Islands	31	10
Districts	3	1
Tehsils	9	10

Prepare this in the form of PowerPoint Presentation.