



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

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: POLITICAL SCIENCE

A project file is to be made on the following topic with a strict adherence to the following instructions-

ALL Topic Delhi is paired with Andaman and Nicobar Islands, Lakshadweep.

1. The project will be of 5-7 pages, must be done in a proper file with white ruled sheets, suitable information and pictures.

ROLL NO.	TOPIC
1-6	Comparative analysis of Legislative assembly of Delhi and Lakshadweep
7-11	Information on any two elections between 2000-2022 Andaman Islands
12- 17	5 tourist places of Delhi and Port Blair Brochure
18-23	Information on any three Chief Minister and Lieutenant Governor of Delhi and Andaman.
24-26	5 tourist places of Delhi and Kavaratti

Note: Revise the syllabus of UT-1 as covered in class.

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.

विषय हिंदी (ऐच्छिक)

1. कक्षा में प्रदत्त विषयों पर सीबीएसई के सभी निर्देशों का पालन करते हुए एक सुंदर एवं आकर्षक परियोजना तैयार कीजिए। (ध्यान रहे पृष्ठ क्रम दिए गए निर्देशों के अनुसार ही हो।)
2. निम्नलिखित विषयों पर लगभग 120 शब्दों में रचनात्मक लेख अपनी मुख्य अभ्यास-पुस्तिका में लिखिए:
क) जहाँ न पहुँचे रवि; वहाँ पहुँचे कवि।
ख) ई-रिक्शा की सवारी का आनंद
ग) कर्तव्य पथ पर दृढ़ रहो, होगी सफलता क्यों नहीं।
3. आप एक पत्रकार हैं। किसी प्रसिद्ध व्यक्ति का साक्षात्कार लीजिए और उसे एक A -3 आकार की शीट पर लिखते हुए उस पर अपने विचार दीजिए।
4. पठित पाठ्यक्रम की पुनरावृत्ति करें।

SUBJECT: HISTORY

PROJECT WORK FOR INTERNAL ASSESSMENT

- Prepare a project of 20-25 pages (A4 size sheet), ON ANY ONE of the given topics:
 1. Town planning and artefacts of Harappan civilization
 - a. Understanding the Bhakti & Sufi Movement
 2. Mahabharata, through a reader's eye
 3. Mughal Paintings
 4. The sanchi and Amravati stupa
 5. Monuments of Delhi
 6. An imperial capital vijaynagar
 7. Mahatma Gandhi-A legendary soul
 8. Jainism and Buddhism
 9. Divine Apostle of Guru nanak Dev Ji
 10. The process behind the framing of Indian constitution
 11. Monuments of Delhi
 12. Kabir
 13. Understanding the Bhakti & Sufi Movement
 14. Travellers

GENERAL INSTRUCTIONS:

1. The project should be strictly as per guidelines of C.B.S.E.
2. It should consist of pictures, maps, illustrations, relevant newspaper clippings, acknowledgement and Bibliography.
3. It's a group/ individual project. Four students should be part of one project. Students can prepare individual project.
4. The project file consist of 16 marks and viva is of 4 marks.
5. The project should be handwritten, done on A4 size sheet.
6. Pictures should be labelled.
7. Introductory page should include picture and names of all group members.

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 1 and 2.
4. Write 2 Practicals on practical file included questionnaire.
5. Revision of all NCERT Textbook read questions.

SUBJECT: MATHS

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

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

Mode of performing AIL

- | | |
|------------|----------------|
| 1. Art | 4. Poster |
| 2. Collage | 5. Mind Map |
| 3. PPT | 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.