

ENGLISH CORE

★ PROJECT WORK

Project work is to be prepared as per the instructions listed below.

1. The entire project should be in file format.
2. The project should be handwritten in blue/black ink. (Highlighters may be used.)
3. The project report should be developed in the following sequence—
 - Cover Page: School Name, Logo, Title of the Project, Name of the Student and Session
 - Index (List of Contents)
 - Acknowledgement and Preface
 - Certificate
 - Introduction (Purpose of the Project)
 - Detailed Project
 - Learning Outcomes/Experiences
 - The project should include illustrations/photos/sketches as per the need and suitability of the presentation.

With reference to the chapter “The Last Lesson”, express your views on:

“Language and Identity — A Heritage That Must Be Preserved.”

Refer to the importance of mother tongue, linguistic identity and cultural heritage in modern society. Highlight how language preserves traditions, emotional belonging and national identity.

(You may include relevant statistics, survey findings, newspaper reports, quotations, slogans, charts or graphs related to endangered languages, linguistic diversity and preservation of regional languages in India and other parts of the world.)

General Instructions :

- ✓ Use original ideas.
- ✓ Avoid copying directly from sources available on the Internet.

HISTORY

1 .Students are requested to prepare the project work on the topic assigned in the class

★ PROJECT WORK (your own Topic)

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GEOGRAPHY

PRACTICAL WORK.

TOPIC: Data Its Sources and Compilation.

Do it in your practical file.

POLITICAL SCIENCE

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ECONOMICS

Prepare a Project Report on any one topic from the following:

1. Any topic from Macroeconomics and Indian Economy
2. Any current Economic issue or any other chapter from the syllabus can also be selected.

Note:

Use Interleaf page to write your project .
Paste and Draw relevant picture (Use White sheet or page)
Project should be completely handwritten .

Project should have the following:

1. Index
2. Acknowledgement
3. Introduction to the topic
3. Content of the project
4. Research work.
5. Conclusion
6. Bibliography

Follow all the instructions given in class related to the project work.

INFORMATICS PRACTICES

1. Write a Pandas program to create data series and then change the index of the series objects in any random order.
2. Write a Pandas program to add, subtract, multiple and divide two Pandas Series.
3. Write a Python Program to perform head() & tail () Functions on dataframe.
4. Write a Python Program to create the dataframe and selecting rows/column using loc and iloc function.
5. Write a program that reads from a csv file (marks.csv stored in desired location) in a data frame then add a column Total storing total marks in three subjects and another column for storing average marks. Print the data frame after adding these columns.
6. **SQL QUERIES BASED ON EMPL TABLE**

Table : EMPL

| empno | ename | job | mgr | hiredate | sal | comm | deptno |
|-------|-----------|-----------|------|------------|---------|---------|--------|
| 8369 | SMITH | CLERK | 8902 | 1990-12-18 | 800.00 | NULL | 20 |
| 8499 | ANYA | SALESMAN | 8698 | 1991-02-20 | 1600.00 | 300.00 | 30 |
| 8521 | SETH | SALESMAN | 8698 | 1991-02-22 | 1250.00 | 500.00 | 30 |
| 8566 | MAHADEVAN | MANAGER | 8839 | 1991-04-02 | 2985.00 | NULL | 20 |
| 8654 | MOMIN | SALESMAN | 8698 | 1991-09-28 | 1250.00 | 1400.00 | 30 |
| 8698 | BINA | MANAGER | 8839 | 1991-05-01 | 2850.00 | NULL | 30 |
| 8882 | SHIAVNSH | MANAGER | 8839 | 1991-06-09 | 2450.00 | NULL | 10 |
| 8888 | SCOTT | ANALYST | 8566 | 1992-12-09 | 3000.00 | NULL | 20 |
| 8839 | AMIR | PRESIDENT | NULL | 1991-11-18 | 5000.00 | NULL | 10 |
| 8844 | KULDEEP | SALESMAN | 8698 | 1991-09-08 | 1500.00 | 0.00 | 30 |
| 8886 | ANOOP | CLERK | 8888 | 1993-01-12 | 1100.00 | NULL | 20 |
| 8900 | JATIN | CLERK | 8698 | 1991-12-03 | 950.00 | NULL | 30 |
| 8902 | FAKIR | ANALYST | 8566 | 1991-12-03 | 3000.00 | NULL | 20 |
| 8934 | MITA | CLERK | 8882 | 1992-01-23 | 1300.00 | NULL | 10 |

- a) Write a query to display EName and Sal of Employees whose salary is greater than or equal to 3000 from table EMPL.
- b) Write a Query to display Employee Number, name, sal and sal*12 as Annual Salary whose commission is not NULL from table EMPL.
- c) Write a Query to display name, job, salary, and HireDate of Employees who are hired between February 20, 1991, and May 1, 1991. Order the query in ascending order of HireDate.
- d) Display distinct JOB of Employee from table EMPL.
- e) Write a Query to display the name of Employee whose name contains 'M' as third alphabet.
- f) Write a query to display the current system date.
- g) Write a Query to display Employee number, name, salary, salary increase by 15%. Label the column as New Salary.
- h) Write a query which displays the Employee name with the first letter capitalized and all other letters lower case and length of there name string.
- i) Write a Query to Display the Sum, Average, Highest and Lowest salary of the Employees grouped by department number.

- j) Write a query to display the difference of Highest and lowest salary of each department having maximum salary > 4000.

PAINTING

1. Still life 3 or 4 sheets (pencil shade and colour)
2. composition 2 or 3 sheets (use any colour)
3. Folk art 1 or 2 sheets (use any colour)

PHYSICAL EDUCATION

1. PRACTICAL – 1 (Procedure, Benefits and Contraindications of Asanas for Lifestyle Diseases)

Objective: To understand the correct techniques, therapeutic benefits, and safety precautions of selected yogic asanas used in the prevention and management of common lifestyle diseases.

Lifestyle Diseases and Related Asanas:

- **Obesity** – Tadasana, Halasana
- **Diabetes** – Paschimottanasana, Ardha Matsyendrasana
- **Asthma** – Gomukhasana, Bhujangasana
- **Hypertension** – Katichakrasana, Makarasana
- **Back Pain / Arthritis** – Ardha Chakrasana, Ushtrasana

For Each Disease and Asana, Include:

- Definition of the Disease
- Step-wise Procedure of the Asanas
- Posture Sketch / picture of Asanas
- Benefits of the Asanas
- Contraindications of Asanas

2. PRACTICAL – 2 (IOA-Recognized Sports / Games)

Select Any One Sport / Game: Volleyball / Kho-Kho / Badminton / Football / Handball

Include the Following Details:

- Introduction of the Game
- Labelled Diagram of Court / Field with Dimensions
- Equipment Used
- Basic Rules and Regulations
- Important Terminologies
- Fundamental Skills / Techniques
- Names of Important National or International Tournaments

Instructions:

- Maintain neatness and proper presentation.
- Draw diagrams using pencil and scale.
- Submit the practical file after the vacation as instructed by the subject teacher.
