HOLIDAY

HOME WORK

25-26

Class: IX

Holiday Homework of English Language and Literature will be done in one plastic file

SUBJECT: ENGLISH LANGUAGE

Write Notice ,Email and Formal and Informal Letters of Practice Paper 13,14,15

SUBJECT: ENGLISH LITERATURE

Drama

Write the character traits of Julius Caesar,Cassius ,Mark Antony and Brutus

You can paste pictures to make it attractive

Prose

Write the Character traits of the main characters of Lesson 1,2and 3

Poem

Write the themes of Poem 1,2and 3

SUBJECT: HINDI

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SUBJECT: MATHS

Activity 1 for Roll no 1 -10

Activity 2 for Roll no 11-20

Activity 3 for Roll no 21 -30

Activity 4 for Roll no 31 onwards.

🖉 **Activity 1:** Build Your Own Triangle Toolkit
Make a paper right-angle triangle using cardboard.
Label sides as Opposite, Adjacent, and Hypotenuse.
Use a protractor and ruler to measure different angles.
Calculate sin, cos, and tan values using measured lengths.
Create a table like this:

| Angle (°) | Opposite | Adjacent | Hypotenuse | $\sin\theta$ | $\cos\theta$ | $\tan\theta$ 30° |

🎨 Bonus: Decorate your triangle and give it a superhero name like "Trig-Triangle"!
□ **Activity 2:** Trigonometry Treasure Puzzle

"You're a mountain climber trying to calculate the height of a cliff using just a rope and a protractor."

Create a scenario where:

Angle of elevation = 60°

Distance from base = 10 m

Use tan θ = Opposite / Adjacent to find the height of the cliff.

📷 Add a drawing showing the mountain, angle, and your triangle.

🗺️ **Activity 3**:Create Your Dream City on a Graph

Draw a coordinate grid (X and Y axes).

Plot buildings at points like:

School at (2, 3)

Library at (4, -1)

Park at (-3, 2)

Connect locations with roads (lines).

Write the coordinates of all landmarks.

Calculate the distance between any two locations

⬜ **Activity 4:** Intersection Mystery Game

"Two secret agents are on paths that cross – where should they meet?"

Line 1: From (1, 2) to (5, 6)

Line 2: From (1, 6) to (5, 2)

Plot both lines on a graph.

Find the intersection point (treasure spot).

SUBJECT: COMPUTER

Topic: "Understanding OOP concepts through Real – World Examples"

Objective: To help students to understand and explain the four major Object-Oriented Programming concepts abstraction, encapsulation, inheritance and polymorphism using simple and relatable real-world example.

Materials Needed:
- Seven A4 size coloured or white sheets.
- Sketch pens, colour pens or markers to label and write the explanation.
- Printed images or drawings of the objects.
- File folder for the submission of the sheets. (Sheet 1: Cover Page, Sheet 2: Introduction, Sheet 3: Abstraction, Sheet 4: Encapsulation, Sheet 5: Inheritance, Sheet 6: Polymorphism, Sheet 7: Conclusion)
- Textbook or Internet for reference.

Designing sheets:
- Each concept must be written clearly on a separate A4 sheet.
- Add headings, diagrams or images of the real-world object to make it attractive. (Example: Mobile phone, ATM, Vehicles, Animal Categories etc)

Presentation:

- Hard copy submission (Hand written)
- Decorate lightly with borders or drawings.

- Arrange the sheets in order and file them in a folder.

SUBJECT: HISTORY & CIVICS

Make a project in the class work copy on the topic CONSTITUTION OF INDIA
INCLUDE
- ❖ PREFACE
- ❖ ACKNOWLEDGEMENT
- ❖ INTRODUCTION
- ❖ CONSTUTITION (Meaning)
- ❖ ITS FORMATION
- ❖ SAILENT FEATURES (any 5)
- ❖ FUNDAMENTAL RIGHTS
- ❖ IMPORTANCE
- ❖ DIRECTIVE PRINCIPLES
- ❖ IMPORTANCE
- ❖ ANY FIVE DIRECTIVE PRINCIPLES
- ❖ CONCLUSION
- ❖ BIBLIOGRAPHY
  Make your project interesting by pasting pictures and cuttings from newpapers or old books

SUBJECT: GEOGRAPHY

 Make a project in the class work copy on the topic FORCES ON THE EARTH
 Write with :
#PREFACE
#ACKNOWLEDGEMENT
#INTRODUCTION
EARTH AS A PLANET
STRUCTURE OF EARTH
FORCES (internal any one and external any two and explain them)
#IMPORTANCE OF THESE FORCES
 # CONCLUSION
Make your project interesting by pasting pictures drawing diagrams and etc

SUBJECT: PHYSICS

Instructions to follow:

1. Follow the format

2. Use ruler and pencil for diagrams and tables

3. Maintain uniform margins and headings

4. Use blue or black pen only – avoid unnecessary colours

5. Don't change your handwriting or layout half way through the manual

6. Write your name, class ,section, role number and paste on it.

7. List the experiments in index column.

8. State aim, apparatus required and theory and also include necessary diagrams, observations and calculations.

Do the following experiments in your physics practical manual.

1. Determine least count of the vernier calipers.

2. Determine pitch, zero error and least count of given screw guage.

3. Determine time periods of a simple pendulum.

4. Verify law of reflection of light using a plane mirror.

5. Determine focal length of concave mirror by one needle method.

6. Plot magnetic field lines of earth.

7. Verify Archimedes principle.

SUBJECT: CHEMISTRY

1. Read and learn the following chapters:
- The language of chemistry.
- Atomic Structure

2. Practical Manual:
  Write
- ❖ Identification of gases (1 to 10),
- ❖ Effect of sulphuric acid and flame test.
- Method of writing:
- ☆ Make column and write experiment, observation and inference with black pen.
- ☆ Write the details with blue pen.
- ☆ Equations should be written on left side with black pen.
- ☆ Table should be drawn using pencil only.

3. Draw the periodic table on a chart paper neatly and in artistic way.

SUBJECT: BIOLOGY

Read and learn the following chapters : 2,10 & 11
☐Do the following chapters in workbook :
Ch 16,17 & 18
☐Complete the following experiments in lab manual :
☐Experiment 1 to 4(plant life) and 5 to 8(animal life) along with sub parts.

☐General instructions
☐Write all the headings like aim, material required, theory etc with black gel pen in capital letters.

☐Write details with blue gel pen

☐Draw neat labelled diagrams on plain side.
Use only pencil to draw diagrams.

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