HOLIDAY HOMEWORK (2025-26)

<u>CLASS – 8</u>

<u>ENGLISH</u>

- 1. Learn and write the spelling rules in your notebook for lesson no. 25 of English Grammar Book.
- 2. Search on the net for Information about W.B. Yeats. Write a short biography of the poet from the details you have collected in note more than 100 words. Decorate it and present it beautifully in the Comment Sheets.

Note: Do all the work in Comment Sheets only.

<u>HINDI</u>

 कहानी, कविता, लेख और तुकबंदी में से किसी एक विषय पर स्वरचित मौलिक रचना A4 शीट पर लिखिए।

2. "प्रसन्नता हम पर ही निर्भर करती है।" इस वाक्य को आधार बनाकर एक सौ बीस शब्दों का एक अनुच्छेद लिखिए।

3. "भारतीय युवा और जिम्मेदारी" पर एक लेख लिखते हुए, दिए गए चित्र को A4 सीट में बनाएं।



MATHS

- 1. Do Exercise 1H (MCQs / Objective Questions) and Test paper 1 in Maths practice copy .
- 2. Do Activity 3 on page 288 in file sheets ACTIVITY 3

Objective – To verify that the sum of measures of the exterior angles of any polygon is 360° by paper cutting and pasting .

Verify the result for

- i. a triangle
- ii. a quadrilateral
- iii. a pentagon
- iv. a hexagon
- 3. Make a working model on the topic LAWS OF EXPONENTS .

SCIENCE

Assignment -1:

"Feeding the Future: Can We Grow Enough Food Sustainably?"

Objective:

To apply critical thinking to the concepts of crop production and explore sustainable farming practices that address real-world food challenges.

Instructions for Students:

- 1. Background Reading (use your textbook):
 - What is crop production?
 - What are the major types of crops in India?

- What are the basic practices of crop production (like ploughing, sowing, irrigation, harvesting, storage)?
- What is sustainable agriculture?

2. Critical Thinking Tasks:

Task 1: Scenario Analysis

Imagine you are a farmer in a village facing drought due to poor monsoon. You grow rice, which needs a lot of water.

- What challenges would you face?
- What changes would you consider making to your farming methods?
- Could you switch to a different crop? Why or why not?

Task 2: Decision Making

You are given three choices to improve crop yield:

- Use more chemical fertilizers.
- Switch to organic compost.
- Use genetically modified seeds.

Task 3: Innovation Challenge

Design your own "Smart Farm Plan" using modern techniques such as:

- Drip irrigation
- Use of solar energy
- Crop rotation or mixed cropping
- Weather tracking apps

Submit a short report (2-3 pages) with your responses to the above tasks. Include diagrams or illustrations where possible.

Assignment -2:

"Fueling the Future: Which Fuel Should We Choose?"

Objective:

To explore different types of fuels (solid, liquid, gas) and critically evaluate their uses, impacts, and future sustainability.

Instructions for Students:

1. Background Reading(use your textbook):

- What are fuels?
- Types of fuels: Solid (e.g., coal, wood), Liquid (e.g., petrol, diesel),
 Gaseous (e.g., LPG, CNG, biogas)
- Characteristics of a good fuel
- Environmental impact of fuel usage

2. Critical Thinking Tasks:

Task 1: Compare and Decide

You are given three fuels to choose from for running a school bus: Diesel, CNG, and Electric

Battery (charged using coal-based electricity).

- Which one would you choose and why?
- Consider cost, pollution, efficiency, and long-term impact.
- Justify your choice with at least three reasons.

Task 2: Solve a Village Problem

A village in a remote area cooks using firewood, which causes smoke and health problems.

You are part of a student team asked to recommend a better fuel option.

- Which fuel would you suggest as an alternative?
- What challenges might the villagers face in switching?
- How could you help them overcome those challenges?

Task 3: Future of Fuels Creative Challenge. Imagine it's the year 2050. Fossil fuels are almost gone.

- What kind of fuel do you think the world should use now?
- Design your own "Future Fuel" describe its source, how it's used, and why it's better.

(You can include a sketch or diagram to show your idea.)

Submit a report answering all three tasks. You may include drawings, charts, or diagrams to make it creative.

Assignment -3:

Create 3D models of a plant cell (Even Roll Nos) or an animal cell(Odd roll nos) using coloured clay, and to understand the structure and function of cell organelles.

Steps to Create the Models:

Plant Cell:

1. Shape the Base:

Use green or brown clay to make a **rectangle with straight sides** to represent **the cell wall.**

2. Add the Cell Membrane:

Inside the wall, add a **thin layer** of yellow clay to represent the **cell membrane**.

3. Fill with Cytoplasm:

Fill the space with **light blue clay** – this is the **cytoplasm**.

4. Place the Organelles:

- **Nucleus** (purple ball)
- **Nucleolus** (small dark purple dot inside nucleus)
- Mitochondria (orange ovals)
- Vacuole (large light blue or clear blob only one big one in plant cell)
- Chloroplasts (small green ovals)
- **Golgi apparatus** (pink folded ribbon)
- Endoplasmic reticulum (green tubes or folded lines)
- **Ribosomes** (tiny black dots)

Label Each Part:

Write the name of each organelle on small paper strips and attach them with toothpicks.

Animal Cell:

1. Shape the Base:

Use yellow or skin-coloured clay to form **an oval or circular shape** to represent **the cell membrane.**

2. Fill with Cytoplasm:

Use blue or clear clay for the cytoplasm.

3. Add Organelles: (same as above, but no chloroplasts or cell wall)

- Nucleus
- Nucleolus
- Mitochondria
- Small vacuoles (multiple small blobs)
- Golgi apparatus
- Endoplasmic reticulum

• Ribosomes

4. Label Each Part

Write the name of each organelle on small paper strips and attach them with toothpicks.

SOCIAL

Geography

"Create a pictorial presentation illustrating the Do's and Don'ts to be followed during an earthquake. Your drawings should clearly differentiate between safe practices and risky behaviours."

History

Create a creative, handwritten project file on any 5 unsung heroes of India. Describe who they were, their contributions to the nation, and why they are not widely known.

Include pictures and relevant slogans/quotes to enhance presentation.

Organize the content in a visually appealing and original layout using creativity

Add a title page, index, conclusion, and your reflections on their contributions.

Maintain clarity and historical accuracy.

SANSKRIT

1.रूप-नदी(स्त्रीलिंग),

इदं(पुल्लिंग)

धातु रूप-पा (पांचों लकारों में) (अपनी संस्कृत कॉपी पर लिखिए और याद कीजिए)

2. पुस्तक से देखकर याद स्मरण कीजिए व्यवसायी के नाम (केवल 1 से 10 तक) उपयोगी शब्दावली-व्यवसायी के नाम (केवल 1 से 10 तक) पर्यायवाची शब्दा: -अश्व: से लेकर पर्वत: तक 3.पुस्तक के परिशिष्ट से अभ्यास कीजिए अपठित चित्र- लेखन

MUSIC

Write a biography of any two Artists (vocalist / percussionist) adding some pictures connected to their journey, in A4 sheet

Submit it in a folder.edit

COMPUTER

Q1. Give output of the given programs.

- 1. The lines beginning with a certain character, and which are ignored by a complier and not executed, are called.....
 - a. Operators

- **b.** Operands
- c. Comments
- d. functions
- 2. Which of the following is/are correct ways of creating strings?
 - a. name= "Riya"
 - b. name= 'Riya'
 - c. name= "Riya'
 - d. name= (Riya)
- 3. Which of the following is not a legal integer type value in python?
 - a. Decimal
 - b. Octal
 - c. Hexadecimal
 - d. Roman

Q2. Rewrite the following programs after finding and correcting errors and underline it.

1. if x>30

print("x is equal to 30")

2. a,b=0

if(a==b)

a+b=c

print(z)

3. a=int(input("ENTER FIRST NUMBER")

b=int(input("ENTER SECOND NUMBER")

c=int(input("ENTER THIRD NUMBER")

if a>b and a>c

```
print(" A IS GREATER")
```

if b>a and b>c

print(" A IS GREATER")

if c>a and c>b

print(" A IS GREATER")

Q3. Write code for the following programs in script mode.

- 1. To create a simple calculator
- 2. To check whether a number entered by user is even, odd or zero
- 3. To check whether a number is divisible by 7 or not
- 4. To display "hello" if a numbered is entered by user is a multiple of five, otherwise print "Bye"
- 5. To accept percentage from the user & display the grade according to the following criteria:

Grade	marks
Α	>90
В	>80 and <=90
С	>=60 and <=80
D	below 60