



## WINTER ASSIGNMENT

### GRADE – VIII

#### SCIENCE

*General Instruction: The first assignment needs to be completed in A4 sheets and compile them in a file.*

1. Draw a neat, colorful and well- labelled diagram of human male and female reproductive system. Explain the process of development of the embryo and paste pictures related to the entire development.
2. Construct a 3D model to represent the generation of electricity from biogas

#### ENGLISH

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

1. Prepare Active and Passive Voice transformation poster with examples from different tenses.
2. The poetry of Earth can be described in many ways. In the poem *“On the Grasshopper and Cricket”*, it is described by the actions of the grasshopper and the cricket. Describe your favorite season of the year by mentioning all the different changes in nature that you observe and how each of them adds to the beauty of mother Earth. **Write a descriptive essay in 120 - 150 words.**

## INFORMATION TECHNOLOGY

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

1. Explain different types of cyber- crimes with examples.  
Draw/paste suitable diagram.
2. Discuss the biography of any 5 famous IT personalities.

## GENERAL KNOWLEDGE

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

1. Write 25 current affairs questions of December 2024 with answers and explanation.

**Sections are:**

- a) Politics
- b) Sports
- c) Education
- d) Entertainment

## SANSKRIT

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

2. धातुरूप- 'पठ्' तथा 'गच्छ' (पाचों लकार में) लिखें।
3. शब्दरूप- 'अस्मद्' तथा 'युष्मद्' लिखें।

## HINDI

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

1. **LR** पृष्ठ संख्या **72** उच्चस्तरीय चिंतन कौशल के सभी प्रश्नों के उत्तर **60** से **70** शब्दों में प्रोजेक्ट कॉपी में लिखें।
2. वाक्य की परिभाषा लिख कर उनके सभी भेदों के नाम सहित प्रत्येक भेदों के **10** उदाहरण लिखें।

## MATHEMATICS

*General Instruction: The assignment has to be prepared in A4 sheets and needs to be submitted in a stick file.*

1. Prepare a cylinder out of cardboard. Colour it with any colour of your choice. Calculate its;
  - i) Total surface area
  - ii) Curved surface area and
  - iii) Volume
2. **Solve the following questions:**
  - a) Simplify  $[25 \times t^{-4}] / [5^{-3} \times 10 \times t^{-8}]$
  - b) Express 0.00000000837 in standard form.
  - c) A car travels 14 km in 25 minutes. Find out how far the car can travel in 5 hours if the speed remains the same?
  - d) If 15 workers can finish a task in 42 hours, calculate the number of workers required to complete the same task in 30 hours.
  - e) If 3 kg of sugar contains  $9 \times 10^8$  crystals. How many sugar crystals are there in 4 kg of sugar?

- f) Mohit deposited a sum of ₹ 12000 in a Bank at a certain rate of interest for 2 years and earns an interest of ₹ 900. How much interest would be earned for a deposit of ₹ 15000 for the same period and at the same rate of interest?
- g) Six pumps working together empty a tank in 28 minutes. How long will it take to empty the tank if 4 such pumps are working together?
- h) Factories:  $p^2q - pr^2 - pq + r^2$
- i) Factories:  $xy(z^2 + 1) + z(x^2 + y^2)$
- j) Factories:  $x^2 + 4x + 8y + 4xy + 4y^2$

## Social Science

### General instructions

The assignment has to be prepared in A4 sheet and need to be submitted in a stick file.

1. Make a model of different kinds of agriculture.
2. Prepare a project file of all the fundamental rights of Indian citizens.

\*\*\*\*\*