

DIWALI HOLIDAY ASSIGNMENT (2025-26)

SUBJECT – SCIENCE

GRADE - VIII

SUBJECT – ENGLISH

1. Write a Brief biography of Stephen Hawking.
2. Define phrases and clauses, and explain their types with examples.

Note:

- a. Write in A4 size paper in 150-200 words.
- b. Add pictures, drawings, or diagrams to make it interesting.
- c. Use colours to make it look attractive.

SUBJECT – HINDI

1. आप अपनी पसंदीदा साइकिल के लिए लगभग 50 से 80 शब्दों का एक विज्ञापन तैयार कीजिए।
2. **मॉडल एक्टिविटी / चार्ट वर्क:**
 - एक रंगीन चार्ट या 3D मॉडल बनाइए जिसमें तीनों काल (भूत, वर्तमान, भविष्य) को दिखाया गया हो।
 - प्रत्येक काल के अंतर्गत तीन-तीन उदाहरण व चित्र लगाएँ।
 - चार्ट के नीचे यह पंक्ति लिखें —
“काल से हमें पता चलता है कि क्रिया किस समय पर घटित हुई है।”

SUBJECT – SCIENCE

1. Create a poster showing the effects of addictive habits such as alcohol consumption, Tobacco chewing, smoking or drugs on your body.
Prepare a slogan to make your poster attractive.

2. Write the names of any five endocrine glands of our body, mention their location, hormones secreted from them and the functions of the hormones.

SUBJECT – SOCIAL SCIENCE

1. INDUSTRIES :- Write in details about two major industries

(Example:- Iron and steel industries , Automobile)

With image and draw a flowchart on factors affecting the location of industries

2. SUPREME COURT OF INDIA:-

- a) Introduction and role
- b) Why is Supreme Court called the ‘Guardian of the constitution’.
- c) Structure and appointment
- d) Powers and functions
- e) Research a famous court case from supreme court.

SUBJECT – MATHS

Chapter: Mensuration

Topic: *“Design Your Dream House – A Project on Surface Area and Volume”*

Instructions:

1. Make a cover page (with school name, student name, subject, etc.)
2. Create a 3D paper or cardboard model of a small house/building.
 - You may use shapes like cuboids (rooms), cylinders (tanks/pillars), cones (roofs), spheres (domes) etc.
 - Label each part with its shape name.
3. On an A4 sheet, write the following:
 - Dimensions (length, breadth, height, radius, etc.) of each part.
 - Formulas used for surface area and volume.
 - Calculated surface area and volume for each shape.
 - Total surface area and total volume of your house.

- You may also decorate your model using color paper, sketch pens, or recycled materials.

Example Layout (Suggested Parts):

Part of I Shape	Formula	Dimensions	Surface Area	Volume
Main Rect Cuboid	$2(lb + bh + lh)$	$l=12, b=8, h=$ _____	_____	_____
Water Tank Cylinder	$2\pi r(h + r)$	$r=3, h=5$	_____	_____
Roof Cone	$\pi r(l + r)$	$r=3, l=5$	_____	_____
Dome Hemisphere	$3\pi r^2$	$r=2$	_____	_____

Materials Required:

- Chart paper or cardboard
- Scissors, glue, ruler, pencil
- Colored paper, sketch pens
- Optional: small boxes, bottle caps, or other recycled materials

Bonus Task

Write a short paragraph explaining how mensuration helps architects and engineers in real life.

Chapter: *Exponents and Powers*

- All questions are compulsory.
- Show complete steps for simplification and calculation.
- Write the final answers clearly and neatly.

Answer the following questions

- Define an exponent.
- Write the standard form of (0.00045).
- Express ($8^2 / 8^3$) as a single power of 8.
- Simplify and write in exponential form: ($5^3 / 5^{-2}$)
- Write the reciprocal of 7^{-3} .
- A bacteria doubles every hour. If the initial number is represented

by (2^1), express the number of bacteria after 5 hours in exponential form. Find its value.

10. Simplify and express the result with a positive exponent: $(3^{-2}3^4)^3$

SUBJECT – INFORMATION TECHNOLOGY

1. Write a program to find the largest number out of three greatest number.
2. Write a program to find out the sum of numbers within the range 1 to 100 using while loop.
3. Write a program to calculate the sum of first ten even numbers by using while loop and for loop.
4. Define Function in python. Explain all the Features, Types, Components and Advantages of using Function in python.

Note: Submit your project in Stick file by writing the same in A4 size paper.

SUBJECT – SANSKRIT

1. 'अस्मद्' तथा 'युष्मद्' शब्दरूप लिखें।
2. 'अस्' तथा 'वद्' धातुरूप लटलकार तथा लोटलकार में लिखें।

Note- Use A4 size paper
