CLASS VII HHW (DIPAWALI & CHATT)

English

1. Prepare a poster to spread the message that health is wealth.
2. Read the poem The Spider and the Fly and write down a short story which has a similar theme in about 150 words.
3. Read an English newspaper every day and write down fifteen new words that you came across.

HINDI

ज्ञान सागर -पाठ 12 (पाठ में से) प्रश्न संख्या 1 2 3 4 5 लिखिए।
-पाठ 13 (पाठ में से) प्रश्न संख्या 8
- भाषा की बात प्रश्न संख्या 1 2 और 3 लिखिए।
अभ्यास सागर- पाठ 12 प्रश्न संख्या 6 7 8 लिखिए।
पाठ 13 प्रश्न संख्या 5 6 7 एवं 8 लिखिए।
क्रियाकलाप- देश में साफ़ सफ़ाई के प्रति जागरूकता बढ़ाने के लिए एक विज्ञापन तैयार करें।

संस्कृतम्

1. नदी ; वारि पदयोः शब्दरूपाणि लिखित्वा स्मरन्तु **?**

2. स्था घातोः धातु रुपाणि पञ्च लकारेषु लिखित्वा स्मरन्तु **?**

3. महर्षि: दयानन्दस्य चित्रम् निर्माय तेषाम् विषये पञ्च वाक्यानि लिखन्तु **?**

Math

1) Verify whether the following triplets are Pythagorean or not.(i) (8, 9, 10)
(ii) (5, 7, 12)
(iii) (3, 4, 5)
2) One of the exterior angle of a ΔABC measures 150°. If one of the interior opposite angle is 75°. Find the other interior opposite angle. What type of triangle is this?
3. One of the exterior angles of triangle is 100°. The interior opposite angles are equal toeach other. Find the measure of these equal interior opposite angles.
4. In ΔABC, ∠A = 44°. If AB = AC, find ∠B and ∠C.
5 ΔPQR is an isosceles triangle with PQ = PR. If ∠R = 42°, find the measure of ∠P.
6 ΔABC is an isosceles triangle with AB = AC. If ∠B = 40°, what are the measures of ∠A and ∠C?
7. The vertical angle of an isosceles triangle is 100°. Find its base angles.
8. The hypotenuse of a right triangle is 17 cm long. If one of the remaining two sides is oflength 8 cm, find the length of the third side.
9 The length of the hypotenuse of a right triangle is 13 cm. If one of the side of the trianglebe 5 cm long, find the length of the other side.

Word Problems and Percentages

10. Rahul sold a watch to Sohan at a gain of 10% and Sohan sold it to Mohan at a loss of 10%.
If Mohan paid ₹ 990 for it, find the price paid by Rahul.

11. In a school, there are 50 teachers; 30% of them are men and the rest are women. If 60%of the male teachers are married, find the number of married male teachers.

12 Solve.
(i) If x% of y is 13x, then find the value of y.
(ii) Find 12 1/2 % of 3 1/2 % of ₹ 256.

Activity:

Geometry Construction & Properties Homework Section 1: Right-Angled Triangle, Medians, and Centroid
Draw a right-angled triangle ABC with the right angle at vertex B.
Label the three sides of the right-angled triangle: Hypotenuse, Base, and Perpendicular.
Using a ruler and compass, construct the medians from all three vertices (A, B, and C) totheir respective **opposite sides.**
Identify the point where all three medians intersect. Mark this point and label it as theCentroid (G).
Section 2: Isosceles Triangle Draw an isosceles triangle XYZ.
Clearly mark the two sides that are equal in length.

Section 3: Exterior Angle PropertyDraw a triangle PQR.
Extend the base line QR to a point S outside the triangle to form an exterior angle ∠PRS.Define the Exterior Angle Property of a triangle:
Write the mathematical equation relating the exterior angle (∠PRS) to its interior oppositeangles (∠P and ∠Q):
∠PRS =_____ + _____

SCIENCE

Chemistry

1. Write the neutralization reaction to get the following salts
a. MgSO 4 b. Na 2 CO 3 c. AlCl 3
2. Pure water is _____ in nature.
3. Chemical name of common salt used at home.
4. Name of acid present in vinegar.
5. Name one natural and one synthetic indicator.
6. A compound produced along with
salt during neutralization reaction is_____.
7. Use turmeric and china rose as an indicator and mention the change in colour, when acid or base poured on it.

Physics

1. What is the distance travelled by a car moving at a speed of 5 m per second in 20 seconds?
2. How much time would it take for Radha to travel 1500 m if she travels at a speed of 30 m per second?

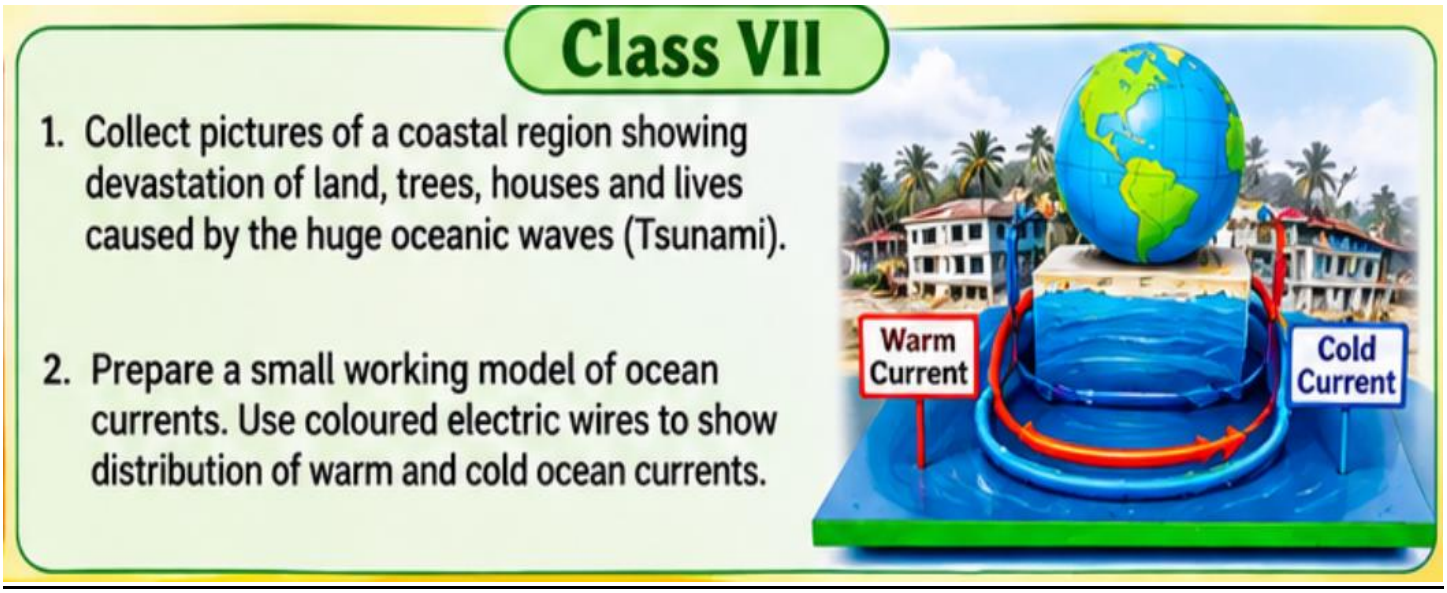
3. If the distance time graph is a straight line what does it indicate?
4. Name the instrument to measure the speed of a moving vehicle?
5. Which types of motion does a moving vehicle show on an empty and a busy road?
6. Draw different time graph when an object is moving at a uniform speed?

Biology

Q1. Do ex A, B ,C of Chapter 9.

Q2. Paste the pictures of five male and five female flowers in your HW copy.

S.ST.



COMPUTER

1. Name two software used for image manipulation.
2. Who invented GIMP?
3. Name the official mascot of GIMP.
4. Write down file extensions of the following software:
   a. Open Office writer b. Open office impress
   c. Scratch d. Open Office Calc e. GIMP
5. What is the default background and foreground color of GIMP? Can we change these colors?
6. Write down the shortcuts of:
   a. Undo b. Redo c. Cut d. Copy
   e. Paste f. Fill with FG color g. Fill with BG color
   h. Fill with pattern
7. Write steps to draw rectangle in GIMP
8. What is cropping of an image?