

# STEPHENS

INTERNATIONAL PUBLIC SCHOOL



**WINTER BREAK**

**Holidays' Homework**

**Session – 2023-24**

**Class : 9<sup>th</sup>**

## Subject : English

- Q1. Find inspirational quotes of famous Indian personalities and write them on A4 size sheet. (Any five)
- Q2. List various literary devices used in literature and give their examples as well. (Any ten)

## Subject : Hindi

- प्र:1. 'जलियाँवाला बाग' हत्याकांड का वर्णन चित्रों सहित अपनी उत्तर पुस्तिका पर कीजिए।
- प्र:2. वार्षिक परीक्षा परिणाम के बाद नई कक्षा में प्रवेश पाने वाले दो छात्रों के बीच आपसी बातचीत लिखिए।

## Subject : Mathematics

**Activity 13:** The straight line joining the mid-points of any two sides of a triangle is parallel to the third side and equal to half of it (Mid Point Theorem).

**Activity 15:** To show that area of rhombus is half the product of its diagonal using paper cutting and pasting (Area of rhombus).

**Activity 21:** To find the area of a trapezium by cutting and pasting (Area of trapezium).

**Activity 22:** To find the formula for lateral surface area and total surface area of right circular cylinder.

**Activity 25:** To draw histogram for classes of varying width (Histogram).

## Subject : Science

### PHYSICS

1. A person clapped his hands near a cliff and heard the echo after 5 seconds. What is the distance of the cliff from the person if the speed of the sound,  $V$  taken as  $346\text{m/s}$ ?
2. Explain characteristics of sound.
3. Differentiate between longitudinal and transverse wave.
4. Explain with diagram the propagation of sound.
5. Explain the different range of sound waves.

## CHEMISTRY

1. Analyse the three models of atom i.e. Thomson's Model of Atom, Rutherford's Model of Atom, Bohr's Model of Atom.
2. Analyse the drawbacks of the models of atom.
3. Differentiate between isotopes and isobars.
4. Determine the postulates of Dalton Atomic Theory.
5. Enlist the atomic number and atomic mass of 1st twenty elements.

## BIOLOGY

1. Describe the various methods of improving crop production.
2. Write a brief account on bee keeping.
3. Describe the various aspects of poultry farming.
4. Which factors influence the production of good quality of milk? Explain.

## **Subject : Social Science**

1. Write a report on the topic 'Food Security in India'.
2. What are the reasons for migration? Explain any five.
3. 'Democracy is the most popular form of government in the South Asian region'. Justify the statement.
4. Why are rights important?
5. What are the three main determinants of the density of population in India?

- Do it on the fair notebook.

**Note : Kindly revise all the syllabus done in the class.**

Happy  
Holidays!