

# STEPHENS

INTERNATIONAL PUBLIC SCHOOL



**WINTER BREAK**

**Holidays' Homework**

**Session – 2024-25**

**Class : 8<sup>th</sup>**

**Note: The assigned task of all the subjects is to be done on assignments sheets.**

### **Subject : English**

1. List various literary devices used in your text book with their examples.
2. Write a poem/article/short story/set of jokes or anything interesting to be included in the school magazine. Make sure that the writing is original, not copied from any source.

### **Subject : Hindi**

1. मकरसंक्रांति का पर्व कहाँ-कहाँ और कैसे मनाया जाता है? इसकी जानकारी चित्रों सहित प्रस्तुत करें।
2. यदि आपने किसी बरफ से ढके पहाड़ी प्रदेश की यात्रा की हो तो अपने अनुभव को एक लघु कथा के रूप में लिखें।

### **Subject : Mathematics**

1. The measure of opposite sides of a parallelogram are  $(7x + 20)$  cm and  $(8x - 30)$  cm. Find the length of the sides.
2. Prove that diagonal of parallelogram divide it into two congruent triangles.
3. If ABCD is a square and P, Q, R, S are the mid-points of AB, BC, CD and DA respectively. Prove that PQRS is a square.
4. The diagonals of a rhombus are 14 cm and 48 cm. Find the length of side of the rhombus.
5. The base angles A and B of a trapezium ABCD measure  $100^\circ$  and  $120^\circ$  respectively. Find the measure of C.

## Subject : Science

1. Draw diagrams showing different types of surfaces (smooth, rough, very rough). The same object is being pushed on these surfaces with the same force. Rank the surfaces in order of increasing friction force experienced by the object. Explain your reasoning.
2. Explain how the vibration of the tuning fork produces sound waves and how these waves are amplified by the sounding board, with the help of proper diagram showing running fork vibrating in front of a sounding board.
3. Explain why friction is both a necessary and a troublesome force. Provide at least two examples for each case.
4. Describe how sound travels through different mediums (solid, liquid, gas). Which medium does sound travel fastest in, and why?
5. Design an experiment to measure the coefficient of friction between a wooden block and a particular surface. List the materials needed, the procedure, and how you would calculate the coefficient of friction from your measurements.

## Subject : Social Science

- Let's dive into the pool of learning and find the interesting facts about United States of America.

Q1. Identify the pictures.

- Paste and write the information regarding it.



(i)

- A. To which country does the above flag belong?
- B. How many colours are there on the flag? What do these colours represent?



(ii)

- A. Name the country where the above statue is located? In which continent is it located?
- B. What does this statue represent?
- Q2. What makes the United States unique? Write an essay of about 150 to 200 words about the diversity, culture and geography of USA?
- Q3. Travelogue  
Design a travel brochure highlighting the diverse landscape of USA. Include descriptions and images of various geographical features.
- Q4. Map work
- A. Locate the major mountain ranges in the United States and mark them on physical map of USA.
- B. Identify and mark the Great Lakes on the map of United States.

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

**Happy  
Holidays!**