

## **Holiday Homework**

### **Class IX**

**HINDI:** आम, बरगद, नीम, पीपल, महुआ, शहतूत, आंवला, नारियल जैसे पेड़ों का सांस्कृतिक महत्व, उपयोगिता, महत्व व संरक्षण से संबंधित स्वरचित कविता लेखन

**ENGLISH:** Read the chapter Kathmandu in your text book and write in your own

words on following subtopics

- 1.Ambience of Pashupati Nath Temple
- 2.Ambience of Baudhnath Stupa
- 3.Sights and Sounds of Kathmandu

#### **MATHS:**

**1)** Select ANY ONE of the following topics from a newspaper and collect data for

ONE WEEK (7 days):

- Daily Minimum & Maximum Temperature (Date-wise)
- Air Quality Index (AQI) / Pollution Level (Date-wise)
- Population Data (city/state-wise, if weekly data is available)
- Road Accident case reported

\* Steps to be Followed

(i) Data Collection

Collect data from a newspaper for 7 consecutive days.

Mention the name of the newspaper and dates clearly.

(ii) Organisation of Data

Answer the following questions:

What is the data about?

Is the data discrete or continuous? (Give reason)

(iii) Draw histogram/ bar graph as required

(iv) Write a conclusion in 2/3 lines

2) Frame 10 maths quiz questions with answers of rapid fire round selecting the

topic from your book. (Note :Work should be done in A4 sheet only)

**SCIENCE: Biology:**

1. Write a write-up on how you will show your gratitude towards people who help to conserve our environment.( 200 words )

**Chemistry -**

1. Draw the atomic structure of elements with atomic no. 1 to 18 in your register.
2. In a Tabular form compare the Atomic models of Thomson, Rutherford and Bohr in the register.

**Physics -**

1. Prepare Proof of Conservation of Energy.
2. Solve these problems
  - i. What is the kinetic energy of an object?
  - ii. Write an expression for the kinetic energy of an object.
  - iii. The kinetic energy of an object of mass,  $m$  moving with a velocity of  $5 \text{ m s}^{-1}$  is  $25 \text{ J}$ . What will be its kinetic energy when its velocity is doubled? What will be its kinetic energy when its velocity is increased three times?
3. Do Activity 10.8 from NCERT book

**HISTORY:**

Dear students, we should be aware of our Local heritage,culture and its history.

Now in our twin City the government has started to preserve it.

You all prepare a project file in which Guptar Ghat Faizabad to Lata Chowk via Dharm Path Ayodhya all important sites' development should be reflect

**GEOGRAPHY:** 1. Prepare Disaster Management PPT.

2. Draw an annual rainfall map of India.

**COMPUTER SCIENCE:**

Make a short video using basic video editor saying thankyou/showing gratitude (based on core value attitude of gratitude)

**ART:** Create posters with powerful slogans on one of these important topics. Choose any one topic of your choice and make a colourful poster.

Note - Use art file paper or A3 /A4 sheet for this work.

Topics are

- Zero Garbage
- Water Saving
- Electric Saving
- No Wastage
- No Littering
- Save Trees
- Reduce Plastic Use
- Recycling
- Climate Change Awareness
- Wildlife Conservation

Let your creativity shine and inspire others.