

# KRISHNA PUBLIC SCHOOL - UTAI



## SUMMER HOLIDAY HOMEWORK SESSION 2024-25 CLASS: X

## **PREFACE**

**Dear Parents and Students,**

The arrival of summer vacation will provide much-needed relief from the demanding schedule of school days. We really wish you have a great time on your travels and that you enjoy every second of this summer. It is crucial that you exercise your minds in addition to taking time to unwind and rejuvenate.

In light of this, we have created a number of fun activities to keep the students busy and involved over the summer break. These enjoyable tasks and assignments would improve learning abilities, aid in a better understanding of subjects, and serve as an excellent crash course with the goal of raising academic productivity.

These exercises will improve your understanding while also assisting you in reviewing what you were taught. These assignments will be graded as either portfolio; art integrated, or subject enrichment activities.

We urge parents to help and encourage their children to do their best effort and turn in the assigned assignment on time. Your child's capacity to learn is greatly impacted by your encouragement and support.

Within a week of the school reopening, that is, from June 19 to June 24, 2023, the subject instructors will get the neatly completed Holiday Home Work that is relevant to the topics posed.

**I'm wishing you a safe and enjoyable summer break.**

**PRINCIPAL  
KPS, UTAIROAD**



## SUBJECT – ENGLISH

1. Prepare a PPT slides on the various tourist places as well as famous local foods of Chhattisgarh and Kerala. (Glimpses of India)

(Note: Project should have originality of ideas, creativity, relevance along with the pictures inserted in the ppt. for the same. Minimum: 4 places and 4 types of food.)

2. READ AND UNDERSTAND THE PROSE AND POEM:

Prose:

- Nelson Mandela - Long Walk to Freedom

Poems :

- Fire and Ice
- A Tiger in the Zoo

Prose:

- Footprints Without Feet
- A Triumph of Surgery
- The Thief's Story

Write question and answer of the lesson which will be provided in pdf. format to you all.

## SUBJECT – HINDI

१. पुस्तकालय में हिंदी पत्रिकाएँ मँगवाने का अनुरोध करते हुए प्रधानाचार्य को पत्र लिखिए ।

२. अनुच्छेद लेखन ( 80-100) शब्दों में

१) यदि मैं शिक्षा मंत्री होता ।

२) फेसबुक का बढ़ता चलन ।

३ . नारी सशिक्षण के मार्ग पर चल कर आज भारत प्रगति के पथ पर आगे बढ़ रहा है । भारत की किन्ही पांच प्रसिद्ध महिलाओं के बारे में जानकारी एकत्र कीजिये । और प्रत्येक के विषय में 50 से 60 शब्दों में लिखिए ।

४. अपनी पसंद के अनुसार किसी भी दो विषय पर विज्ञापन तैयार कीजिये ।

५. समाचार पत्र से तीन राजनैतिक, दो सांस्कृतिक , दो खेल जगत तथा दो विज्ञापन की कटिंग चिपकायें।

एवं

( आर्ट इंटीग्रेटेड प्रोजेक्ट )

१. छत्तीसगढ़ और केरल की वेशभूषा का सचित्र तुलना कीजिये ।

(नोट – आपको दो अलग अलग प्रोजेक्ट बनाना है )

## SUBJECT – SOCIAL SCIENCE

- 1) Every student has to compulsorily undertake any one project on the following topics.
  - A) Consumer awareness
  - B) Social issues.
  - C) Sustainable developmentComparing the states of Chhattisgarh and Kerala.
- 2) “The Earth has enough resources to meet the needs of all but not enough to satisfy the greed of even one person”. How is this statement relevant to the discussion of development? Discuss.
- 3) What changes were introduced after the French Revolution in France?

## SUBJECT- A.I.

- 1) Create a power point presentation on different scope of AI in Kerala and Chhattisgarh. Take printout of this file and submit it.

## SUBJECT-SANSKRIT

1. स्वर - वृद्धि संधि , यण संधि , अयादी संधि , पूर्वरूप संधि  
व्यंजन -तुगागमः , वर्गीय प्रथमवर्गस्य, तृतीय वर्गे परिवर्तनः  
विसर्ग \_ उत्वं , रत्वं विसर्गलोपः  
पंच पंचउदाहरणानि लिखन्तु ।
2. समास : तत्पुरुष : विभक्तिः ,  
द्वन्द्वः  
अव्ययीभावः ( अनु, उप, श, निर्, प्रति, यथा)
3. अधोलिखित अव्ययपदानि प्रयुज्य वाक्यरचनां कुर्वन्तु ।  
( अन्यत्र , उभयत्र , एकदा, पूरा, श्वः कटी , ह्यः , )
4. समयवर्णनम्
5. १- १०० संस्कृते संख्या लिखन्तु ।

एवं

( आर्ट इंटीग्रेटेड प्रोजेक्ट )

केरलस्य छत्तीसगढ - प्रदेशस्य च तुलनात्मकं अध्ययनम् कुरुत ।

(नोट – आपको दो अलग अलग प्रोजेक्ट बनाना है )



## SUBJECT-MATHS

1. Prove that  $6 + 3\sqrt{2}$  is a irrational number.
2. Prove that  $(\sqrt{2} + \sqrt{3})^2$  is a irrational number.
3. Prove that  $7 - 2\sqrt{3}$  is a irrational number.
4. Prove that  $2 + 3\sqrt{2}$  is a irrational number.
5. After how many places will the decimal representation of the rational number  $\frac{229}{4 \times 125 \times 25 \times 25}$  terminate.
6. Find a rational number between  $\sqrt{2}$  &  $\sqrt{7}$
7. Write the number of zeros in the end of a number whose prime factorization is  $2^2 \times 5^3 \times 3^2 \times 17$
8. Given that the HCF of two numbers is 11 & their LCM is 693. If one of the number is 77, then find the other number.
9. Find LCM of 576 & 512 by prime factorization.
10. HCF (135, 225) = 45, find LCM(135, 225) = ?

## SUBJECT- SCIENCE

1. What are the sources of electricity in Kerala and Chhattisgarh?
2. Explain the types of chemical reaction.