



WINTER HOLIDAY HOMEWORK - 2021-22

CLASS - X

ENGLISH

Q1. Q1. Do the CCT Worksheet which is uploaded in your Google Classroom under the heading ENGLISH and submit it there itself.

Q2. Given below is a list of words that we have been hearing over and over again the past few months. Unscramble the jumbled words and make sentences from the words to bring out their meaning clearly (do this in your English notebook)

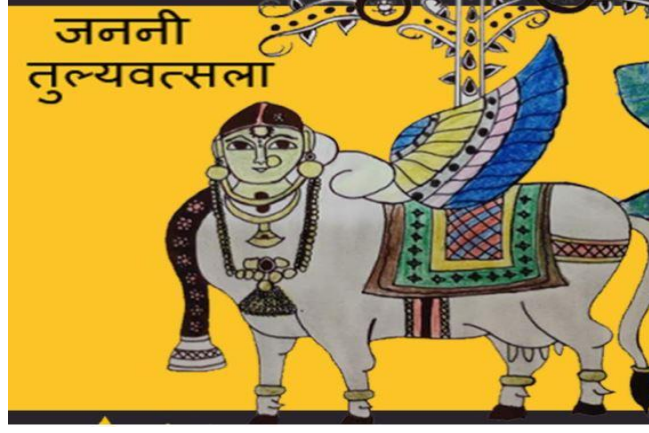
Eg CAIMPEDN PANDEMIC

Sentence: A pandemic is a disease which is spread over a whole country or the whole world, and COVID 19 is the worst pandemic ever.

1. CEIIPEDM
2. OONNCTAIG
3. NOINOCATNIMTA
4. QTAAURIENN
5. OOLDKCNW
6. INIMUMYT
7. YTILAMOTR
8. TCOEASPMNE
9. EARIBONR
10. LIOSTEA
11. SETLPODR
12. STNARGMI
13. SSR CII
14. NITNMENOCFE
15. LTACRUI

SANSKRIT

- 1- 'सौहार्दम् प्रकृतेः शोभा' पाठाधारित नाट्याभिनयः (एकीकृत विषयः विज्ञान, अभिनय-कला)
निर्देश : प्रकृति में सभी जीवों की उपादेयता, पर्यावरण में भोजन चक्र की उपादेयता को दर्शाते हुए श्लोक व वार्तालाप युक्त सामूहिक नाट्याभिनय प्रस्तुत करें ।
(शीतावकाश के पश्चात सभागार में प्रस्तुति हेतु कार्य आकर्षक व त्रुटि रहित हो)
- 2- 'पाठ-5 जननी तुल्यवत्सला- पर आधारित चित्र कथा (COMIC STRIP) बनाएँ तथा गूगल क्लासरूम पर अपलोड करें ।



- 3- सभी छात्र संस्कृत का ई-पोर्टफोलियो पूर्ण करें जिसके अंतर्गत संस्कृत विषय की सभी कार्यपत्रिकाएँ, ई-प्रमाणपत्र (अंतर्विद्यालयीय, अंतर्सदनीय प्रमाण पत्र, अतिरिक्त प्रमाण पत्र, विशेष दिवस) तथा संस्कृत भाषा के प्रति अपने योगदान को दर्शाए।
- 4- प्रातः कालीन सभा में दिखाए गए किन्ही छः संस्कृत श्लोकों का अर्थ सहित गायन करते हुए एक वीडियो बनाएँ तथा गूगल क्लासरूम पर अपलोड करें ।

शिक्षण अधिगम -

- संस्कृत लेखन कौशल का विकास व शब्द भंडार में वृद्धि ।
- भाषा संबंधी व्याकरणिक ज्ञान ।
- अभिनय कौशल का विकास ।
- श्लोकों के माध्यम से भारतीय संस्कृति से अवगत होना ।

FRENCH

Les devoirs des vacances d'hiver



Ecrivez le synopsis d'un film en français (au moins 80 mots).

HINDI

- 1- सभी छात्र ई-पोर्टफोलियो पूर्ण करें जिसमें हिंदी की कार्यपत्रिकाएँ, स्वरचित लेख/कविता, विभिन्न हिंदी प्रतियोगिताओं के ई-प्रमाणपत्र तथा विशेष-दिवस हेतु हिंदी में अपने योगदान का विवरण भी दें।
- 2- पुस्तक-समीक्षा हेतु मालती जोशी की प्रतिनिधि कहानियों में से अंतिम पाँच कहानियों का पठन-पाठन करें। इसके अतिरिक्त संस्कृत श्लोकों का भी अभ्यास करें।
- 3- सृजन तथा चिंतन पर आधारित कार्यपत्रिका (CCT Worksheet) करें। (In Google Classroom)

MATHS

Subject Enrichment activity:

- The following Mathematics lab activities are to be completed in Mathematics lab Manual.
- To check whether the given sequence is an A.P or not?
- To verify that the sum of n natural numbers of an A. P is $n(n+1)/2$.

SCIENCE

PHYSICS:

THE PHYSICS OF TOYS: Only your imagination and ingenuity limit you in your application of the fundamental laws of physics to ordinary objects, even toys. The basic principles of Physics can often be demonstrated, as well as made fun, by using ordinary toys. By understanding how these toys work, the observers can better understand the world around them.

- Each student individually or in group (not more than 3) will prepare a toy to explain the various laws of Physics.
- Students will also prepare a video showcasing their toy and explaining the principle behind the working of the toy.
- **Last date for submission of video and toy is 08 Jan, 2022.**
- Suggested website/Links:
 - https://instagram.com/physicsfun?utm_medium=copy_link
 - <https://www.arvindguptatoys.com/films.html>
 - https://www.nasa.gov/audience/forstudents/k-4/home/physicstoys_feature.html
 - <https://sciencetoymaker.org/>

CHEMISTRY:

1. Complete the critical Thinking worksheet based on Carbon and its Compound in your register. Worksheet is uploaded in the Google Classroom.
2. Draw structural formulae of the first six members of homologous series of Alkanes, Alkenes and Alkynes, mentioning their IUPAC names and molecular formulae.

BIOLOGY:

Solve the Biology critical thinking worksheet posted in Google classroom.

<https://classroom.google.com/c/NjY2NjlyOTgyNjRa/a/NDQ5OTgwNjk1ODY3/details>

SOCIAL SCIENCE

MAP WORK

Map work in Social Science increases the critical and abstract thinking skills among students. It also helps to learn about a country's landforms, water bodies, resources, climate history and economic activities. Students are required to complete the list of maps as per their syllabus and compile the same in a file.



Link for list of maps:

<https://docs.google.com/document/d/1OhPw5OivNsfNuYqMeBhOTDL93q9UvBNj/edit?usp=sharing&oid=107398543928934906801&rtpof=true&sd=true>

FMM

- Mutual Funds is a Professionally Managed Investment scheme. Prepare a Project on Mutual Fund explaining the importance of it.
- Complete Module on Trading Skill in NLT NSmart, Software by NSE.



AI

1. Using NumPy perform different operations on Array:
 - a) Print 5 zeros
 - b) Print 1D array
 - c) Print 2D array
 - d) Print first position, last position and 2nd and 3rd position
2. Using pandas import the dataset of healthcare and print the values.