

**ARMY PUBLIC SCHOOL JAMMU CANTT**

**HOLIDAYS HOMEWORK FOR WINTER VACATIONS (2023-2024)**

**CLASS VII**

**SUBJECT : ENGLISH**

1. Illustrate interesting events from your life, or imagination, in the form of **comic strips**.
2. Make an **advertisement** for any invention of your own. Or you can stick to readily available products within the market. The advertisement should not be more than 40 to 50 seconds long.
3. **Diorama** -Read the lesson **The Invention of Vita Wonk** and illustrate the setting or a specific part of the lesson in the form of a **three- dimensional miniature** scene. Pick a favourite scene from the story and decide how you want to represent it using the materials given and a variety of design strategies.
4. Create a colorful cover page for the chapters **The Bear Story** and **Chandni**.
5. Prepare of chocolate wrapper and create an advertisement.
6. Create a **story web** of the lessons **Quality** and **A tiger in the house** .
7. Make a poster on Spreading Awareness On Saving Trees .
8. Make PPTs on the topics TENSES and VERBS.
9. Make a **dictionary** using 100 words from all the chapters that have been read from MCB and Supplementary Reader.

**WORKSHEET-1**

**Given below are the outlines of two stories given in the form of phrases. Fill in the blanks to create the complete story.**

i. A rich man ..... had many servants..... purse with lot of money is stolen from rich man's drawer..... rich man files a complaint in the police station ..... all the servants called ..... stick of same length given to each ..... servants told that stick of the thief will grow by one inch overnight ..... the thief cuts his stick by one inch ..... he is easily caught the next day.

ii. Son falls into bad company..... disobeys his parents ..... loses interest in studies ..... father decides to bring the son back to the right path ..... gives him a few apples ..... places a rotten apple among the good ones ..... after a few days the good apples also become rotten ..... son understands that one rotten apple spoils all the apples ..... tries to mend his ways ..... gets transformed..... moral.

## WORKSHEET-2

1. Imagine you are a Superman / Superwoman and you possess great ,special powers. Write a diary entry about your experiences, observation, thoughts and feelings.

2. Your school is organising a friendly cricket match to be played between your school and Saint James School. As the head boy/ head girl of your school draft a notice informing the students about the event ,the venue ,date and time.

**SUBJECT : HINDI**

1. प्रतिदिन समाचार पत्र पढ़ें और उसमें से कोई दो आकर्षक विज्ञापन काटकर चिपकाएं।
2. आगामी नववर्ष में अपने जीवन को सफल बनाने हेतु आपके द्वारा निश्चित किए गए पाँच संकल्प लिखें।
3. दिए गए शब्दों के अर्थ शब्दकोश से खोजकर व्याकरणिक परिचय सहित लिखें- प्रेषक, अनुसरण, कायाकल्प, वल्कल, नीलाभ, शावक, प्रयाण, वसुधा, सरापा, सौरभ

(विशेष -सम्पूर्ण कार्य अलग फाइल में करें।)

रचनात्मक कार्य

4. एक बड़े चार्ट पर अनुक्रमांक अनुसार रंगोंसहित परियोजना तैयार करें।

1-10 सन 1857 के प्रमुख स्वतंत्रता सेनानियों के चित्र बनाएं और उनके बारे में दो - दो वाक्य लिखें।

11-20 विराम चिह्न व उसके भेद का प्रवाह चार्ट बनाएँ।

21-30 हिंदी में 1 से 100 तक की गिनती लिखें।

31-46 समास व उसके भेद का प्रवाह चार्ट बनाएँ।

5. अपने घर में किसी बुजुर्ग का साक्षात्कार लेते हुए एक विडिओ बनाएँ।

6. पाठ 'वीर कुंवर सिंह' पर एक पीपीटी तैयार करें।

## SUBJECT : MATHEMATICS

1. Find out History of Mathematical constant ( $\pi$ ).

**Activity** : Take 3-4 cut outs of circle and using a thread measure their circumference and diameter. Find the ratio of their circumference to diameter . Verify that this ratio =  $\pi$

2. Write the value of pi ( $\pi$ ) upto 30 decimal places by decoding the following **Sanskrit Shloka** using the **Katapyadi Sankhya** ( कटपयादि संख्या)

गोपीभाग्य मधुव्रात

शृङ्गिशोदधि सन्धिग ।

खलजीवित खाताव

गलहाला रसंधर ॥

3. Verify that sum of all angles of a quadrilateral is  $360^\circ$ .

4. Pythagoras theorem :- In a right triangle, the square of the hypotenuse equals the sum of the squares of its sides. Verify Pythagoras theorem by cutting and pasting activity.

5. Make a Symmetrical Robot and using a thread show its line of symmetry.

## SUBJECT : SCIENCE

1. Make a **model of Human Excretory** System using clay.

2. Make a **Working Model of water dispenser**. Watch this video for reference :

<https://youtu.be/I4VuslPxGI4>

3. **Best out of waste activity**: Make something useful from the waste materials available at home.

4. **Case Based Questions**:

- A. There are different types of blood vessels in the body. You know that during inhalation a fresh supply of oxygen fills the lungs. Oxygen has to be transported to the rest of the body. Also, the blood picks up the waste materials including carbon dioxide from the cells. This blood has to go back to the heart for transport to the lungs for removal of carbon dioxide.

Answer the following questions:

i) How many types of blood vessels are present in the human body?

ii) What is the breathing rate of a normal resting person?

iii) ..... is present in the veins that allow only unidirectional flow of blood in the human body.

iv) Which blood vessel carries fresh oxygen from heart to all the parts of the body?

- B. The wastes dissolved in water are removed as urine. From the kidneys, the urine goes into the urinary bladder through tube-like ureters. It is stored in the bladder and is passed out through the urinary opening at the end of a muscular tube called urethra. The kidneys, ureters, bladder and urethra form the excretory system.

i) Which organ is the part of excretory system given below?

ii) How many litres of urine a normal human adult passes in 24hrs?

iii) ..... animals like fishes excrete cell waste as ..... which directly dissolves in water.

iv) What is the composition of urine?

- C. The smallest time interval that can be measured with commonly available clocks and watches is one second. However now special clocks are available that can measure time intervals smaller than a second. Some of these can measure time intervals as small as one millionth or even one billionth of a second.

1. A micro-second is a very small time interval. It is equal to \_\_\_\_\_.

2. The time measuring devices used in sports can measure time intervals of \_\_\_\_\_.

3. Which of the following will be needed to measure the time period of a pendulum?

4. Flowers which contain either only pistil or only stamens are called unisexual flowers.

Flowers which contain both stamens and pistil are called bisexual flowers. Whereas both male and female unisexual flowers may be present in the same plant or in different plants. Anther contains pollen grains which produce male gametes. A pistil consists of stigma, style and ovary. Ovary contains one or more ovules.

i) Pistil is the ..... reproductive part and stamen is the ..... reproductive part of flower.

ii) Papaya produces which type of flowers?

iii) Where is female gamete formed?

iv) How is a zygote formed in sexual reproduction?

**SUBJECT : SOCIAL SCIENCE**

- 1) Draw a poster on the Life in the Deserts and give a quotation.
- 2) Draw a map of India, mark and name some bhakti saints and their regions from

- where they belong to.
- 3) Imagine how can we develop a safe environment around us? Write 10 points of your own on any challenges and situations which can be faced bravely by us in this present world.
  - 4) Create any one model of your choice of S.Sc and label it . Use any material of your choice for school exhibition. (Avoid plastic and thermacol).
  - 5) When did the human rights were made , what was the purpose of making them. Write any 15 human rights.
  - 6) Enrich your knowledge with questions related with Social Science subject for Quiz. Update yourself and write multiple choice questions and answers. (atleast 50 questions).
  - 7) Watch movie Sam Bahadur and write 10 good qualities of a good leader or a good commander.
  - 8) What is the medias role in our everyday lives?
  - 9) On a world map, locate all the deserts of the world.
  - 10) Why do you think the Indian Constitution needs changes? Should be it be little futuristic? Explain this answer with the help of examples.

### SUBJECT : COMPUTER

- Design a collage on real-world applications of artificial intelligence, discussing its impact on industries like healthcare, education, and entertainment.
- Create a poster that highlights key tips for staying safe online, importance of internet ethics, covering topics like online privacy, responsible social media use, and avoiding cyberbullying.

### SUBJECT : SANSKRIT

शीतकालीन अवकाशीय गृहकार्यम्

लेखनात्मकं कार्यम्

(१) विद्यधनम् पाठस्य सर्वाण् श्लोकान् अर्थसहितं विलिख्य स्मरणं कुर्वन्तु।

**रचनात्मक-कार्यम्**

(१) त्रिवर्ण ध्वजस्य चित्रं निर्माणयत्

(२) राष्ट्रीय फलस्य चित्रं निर्माणं कृत्वा पञ्चवाक्यानि लिखत्-

स्मरणार्थं कार्यम्

अयं निजः परो वेति गणना लघु चेतसाम् ।

उदारचरितानां तु वसुधैव कुटुम्बकम् ।