

POLICE DAV PUBLIC SCHOOL, LUDHIANA

HOLIDAY HOMEWORK (2024-25)

THEME: CAMELIDS

LEARNING OUTCOMES:

The student:

1. Identifies the different varieties of CAMELIDS.
2. Investigates the various landforms in desert and the adaptation shown by CAMELIDS.
3. Creates his/ her ideas to form analysis on the life of CAMELIDS.

Heroes of deserts and highlands: Nourishing people and culture

The United Nations declared 2024 the International Year of Camelids (IYC 2024). The Year will highlight how camelids are key to the livelihoods of millions of households in hostile environments across over 90 countries, particularly Indigenous Peoples and local communities.

Camelids play an important role in advancing the Sustainable Development Goals (SDGs) related to the fight against hunger, the eradication of extreme poverty, the empowerment of women and the sustainable use of terrestrial ecosystems.

The International Year of Camelids 2024 aims to build awareness of the untapped potential of camelids and to call for increased investment in the camelid sector, advocating for greater research, capacity development and the use of innovative practices and technologies.



We are camelids! Have we met?

We have been roaming the Earth since long before you arrived, but maybe you haven't noticed.

We are referred to as the heroes of deserts and highlands for we can survive the toughest of climates.

ART INTEGRATED PROJECT

Students would prepare a handmade MAGAZINE having the sheets of all the required subjects.

SCIENCE



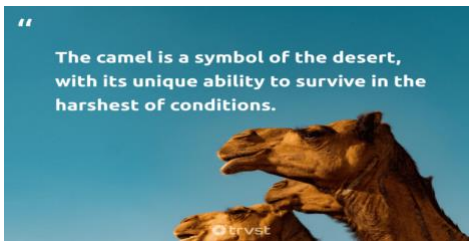
Sustainable Grazers, Guardians of Biodiversity: Camelids Keeping the Ecosystem Balanced!"

This slogan highlights how camelids, through their grazing habits and interactions with the environment, contribute to the balance and health of ecosystems.

Students need to explore and write the following information in the magazine :

1. Draw the picture of different varieties of camels.
2. Enlist the adaptations required by the camel to survive in the desert.
3. Explain the characteristic features of Arid zone.
4. Highlight the significance of camelid products.

SOCIAL SCIENCE



Camel is called the 'Ship of the Desert' as it can survive easily in desert. But do you really think it is as easy as it seems?

Let's find out some facts about the Camelids - How do they survive in desert? 🌴

Students, you need to explore and write the following information in the Magazine :

1. Locate and Label the Desert of India on the Political Map of India and paste it in the Magazine.(All students)
2. Mention the various agents of Gradation responsible for forming the various landforms in Desert like Sand dunes, Mushroom cut rocks, Deflation, Yardangs etc. (Consider Chapter-2) (All students)
3. Draw a posture of Desert showing its features like - vegetation, oasis , Sand Dunes, Mushroom Cut Rocks, animals (Especially Camel) , types of houses. (Roll No : 1-15)



4. Make a designer bell or tassel used to decorate camel.(Roll No. 16- 35)
5. Draw a chess board and describe the role of camel in playing chess (use A4 size sheet) (Roll No 36-onwards)

HINDI

ग्रीष्मावकाश कार्य

ऊँट की जीवन शैली संबंधित स्वरचित कविता की कुछ पंक्तियाँ लिखें।

PUNJABI

ਉਠ ਨੂੰ *ਰੇਗਿਸਤਾਨ ਦਾ ਜਹਾਜ਼* ਕਿਹਾ ਜਾਂਦਾ ਹੈ। ਵੰਡ ਤੋਂ ਪਹਿਲਾਂ ਪੰਜਾਬ ਵਿੱਚ ਉਠ ਮਨੁੱਖੀ ਜੀਵਿਕਾ ਦਾ ਸਾਧਨ ਰਿਹਾ ਹੈ। ਯੂ.ਐੱਨ. (ਯੂਨਾਈਟਡ ਨੇਸ਼ਨ) ਵੱਲੋਂ 2024 ਨੂੰ *International Year Of* *Camelids* ਘੋਸ਼ਿਤ ਕੀਤਾ ਗਿਆ ਹੈ। ਪੰਜਾਬ ਦੇ ਲੋਕ - ਗੀਤਾਂ ਅਤੇ ਕਹਾਣੀਆਂ ਵਿੱਚ ਉਠ ਅਤੇ ਉਸਦੀ ਡਾਚੀ ਦਾ ਜ਼ਿਕਰ ਵੇਖਣ ਨੂੰ ਆਮ ਹੀ ਮਿਲਦਾ ਹੈ।

ਪਿਆਰੇ ਵਿਦਿਆਰਥੀਓ! ਆਪਣੀਆਂ ਛੁੱਟੀਆਂ ਦੇ ਕੰਮ ਲਈ ਤਿਆਰ ਕੀਤੇ ਜਾ ਰਹੇ ਰਸਾਲੇ (Magazine) ਲਈ ਉਠ ਨਾਲ ਸੰਬੰਧਤ ਸਵੈ -ਲਿਖਤ ਕਹਾਣੀ (75-80 ਸ਼ਬਦਾਂ ਵਿੱਚ) ਲਿਖੋ।

MATHS HOLIDAYS HOMEWORK
CLASS VII

1. Find the value of x if the following pairs of rational numbers are equivalent:

i) $\frac{4}{5}, \frac{x}{95}$ ii) $2\frac{1}{5}, \frac{x}{-15}$

2. Represent $\frac{5}{7}, \frac{7}{5}$ and $\frac{3}{-11}$ on the number line.

3. Arrange these rational numbers in ascending order: $\frac{-4}{3}, \frac{-13}{-4}, \frac{15}{-20}, \frac{7}{-12}$

4. Add rational numbers $\frac{-3}{7}, \frac{-5}{8}$ and $\frac{13}{28}$

5. Subtract i) $\frac{-4}{9}$ from $\frac{1}{9}$ ii) $\frac{3}{4}$ from $\frac{1}{-12}$

6. The sum of two rational numbers is $\frac{-18}{21}$. If one rational number is $\frac{-3}{7}$, find the other.

7. What should be added to $\frac{-5}{14}$ to get $\frac{-2}{21}$?

8. Simplify: i) $\frac{51}{45} \times \frac{21}{17} \times \frac{5}{7}$ ii) $(\frac{-3}{5} \times 1\frac{3}{5}) - (1\frac{1}{3} \times 2\frac{1}{4})$

9. Divide i) $\frac{17}{24}$ by $\frac{7}{8}$ ii) $\frac{-13}{22}$ by $\frac{5}{-11}$

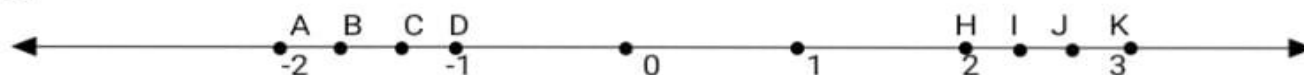
10. A carpenter has a board which is $\frac{2}{3}$ m thick. He cuts $\frac{1}{9}$ m thick section out of it. How many total sections will he cut?

11. The product of two rational numbers is $\frac{-5}{16}$. If one of them is $\frac{3}{32}$, find the other.

12. Without actual division, determine which of the following rational numbers have a terminating decimal representation:

i) $\frac{7}{25}$ ii) $\frac{19}{65}$ iii) $\frac{18}{45}$ iv) $\frac{12}{91}$

13. On the number line, if $AB=BC=CD=HI=IJ=JK$, then Find the rational number represented by: B, C, I and J.



14. Simplify: i) $\frac{3}{7} - (\frac{-11}{14}) + \frac{8}{21}$ ii) $[\frac{-5}{7} + \frac{1}{3}] \div [\frac{12}{21} + 1]$

15. Find the decimal representation of: i) $\frac{1}{8}$ ii) $\frac{1}{16}$ iii) $\frac{40}{25}$ iv) $\frac{1}{50}$

16. If $\frac{a}{b} \div \frac{5}{-2} = \frac{10}{12}$, then what is the value of $\frac{a}{b}$?

17. Which is greater: the product of $\frac{-7}{16}$ and $\frac{32}{-35}$ or the quotient of $\frac{3}{11}$ and $\frac{-21}{44}$?

18. Complete the following tables:








i)

Alphabet Letters	Line of Symmetry	Number of lines of Symmetry
Z	No	
S		
H	Yes	
O		
E		
C		

ii)

Polygon	Number of sides	Number of Lines of symmetry
Equilateral triangle		
Square		
Regular pentagon		
Regular hexagon		
Regular heptagon		

iii)

Name of 2-D geometrical shape	Number of lines of symmetry	Draw lines of Symmetry
Square		
Rectangle		
Parallelogram		
General Quadrilateral		
Kite		
Rhombus		
Isosceles Trapezium		

19. Complete the mirror image of the Camelid and colour it.



20. Maths project

The Year is meant to raise the public's and policymakers' awareness of the significant role of camelids in protecting ecosystems, conserving biodiversity, assuring food security and adapting to climate change.

The vast majority of animals, however, exhibit a definite symmetrical form. Four such patterns of symmetry occur among animals: spherical, radial, biradial, and bilateral.

So students, you have to show the mirror / reflection symmetry of the letters in the name 'CAMELID' along the vertical axis/line and horizontal axis/line in the magazine. The image for reflection symmetry is attached herewith for your reference. Show the best of your creativity for the same.

A B C D E F G H I J K L M

V.A: A B C D E F G H I J K L M

H.A: A B C D E F G H I J K L M

N O P Q R S T U V W X Y Z

V.A: N O P Q R S T U V W X Y Z

H.A: N O P Q R S T U V W X Y Z

NOTE: The worksheet Sums(1-17) should be solved on loose sheets and left on the worksheet only and submitted in a folder.

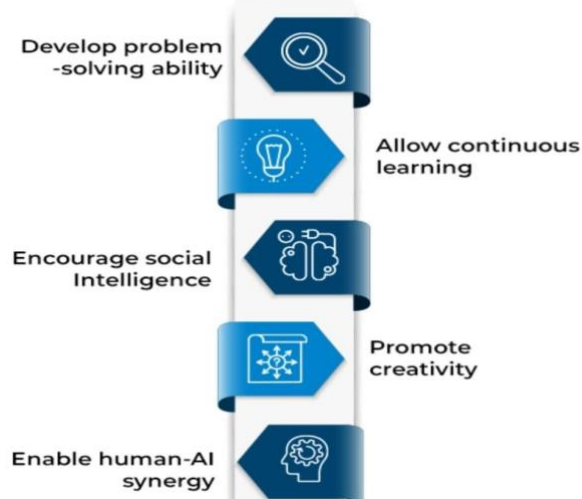
Q1. Read the following passage carefully and answer the questions.

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. AI programming focuses on three cognitive skills: learning, reasoning and self-correction.

Learning processes focus on acquiring data and creating rules for how to turn the data into information. Reasoning processes focus on choosing the right algorithm to reach a desired outcome; self-correction processes ensure that they provide the most accurate results

AI processes large amounts of data much faster and makes predictions more accurately than humanly possible. The primary disadvantage of using AI is that it is expensive to process the large amounts of data that AI programming requires.

GOALS OF ARTIFICIAL INTELLIGENCE



AI can be categorised as either weak or strong. Weak AI, also known as the narrow AI. It is designed and trained to complete a specific task. Strong AI, also known as artificial general intelligence (AGI). It is more like a human brain and has cognitive abilities that helps to perform unfamiliar tasks and commands.

AI is revolutionising the way we live and get things done and is advancing dramatically. It is already transforming our world socially, economically and politically. In most of the fields, it provides human beings a great helping hand to get task done quickly and perfectly.

There is no doubt in the fact that technology has made our lives comfortable from music recommendations, map directions, internet banking, AI and other technologies have taken over. AI truly has the potential to transform many industries, with a wide range of possibilities. These industries are all data driven. Let's hope that the concept of AI will help the human race in the longrun.

Answer the following questions:

i. What is the primary disadvantage of using AI?

ii. Enlist two cognitive skills that focus on AI programming as mentioned in paragraph 1

iii. Artificial intelligence is the _____ of human intelligence processes by _____.

iv. Compare and contrast how AI has made our lives comfortable.

v. As per the image, write down two goals of Artificial Intelligence.

vi. State true/false-Weak AI is known as Artificial General Intelligence.

vii. Find out the word that has the same meaning as correct (Para 1)

viii. What is the function of strong AI?

Q2. Read the following passage carefully and answer the following questions:

1. Data from satellite sources assembled by the United Nations Environment Programme's (UNEP) World Environment Situation Room confirms that the wildfires in Australia in the last two months of 2019 and the first six weeks of 2020 were far from normal. 2019 was the second hottest year on record since 1880, and Australia recorded its warmest temperatures ever in December 2019.

2. "Rising temperatures continue to melt records. The past decade was the hottest on record. Scientists tell that ocean temperatures are now rising at the equivalent of five Hiroshima bombs a second. One million species are in near-term danger of extinction. Our planet is burning," says United Nations Secretary-General Antonio Guterres.

3. "The trend is very clear: 37 of the last 40 years were the warmest recorded since 1880, and the six warmest years recorded were the last six years," says Pascal Peduzzi, Director of UNEP's Global Resource Information Database in Geneva. "For those who think Australia is always burning, graphs clearly show that these fires were exceptional."

4. "This service, accessible via the UNEP's World Environment Situation Room, is provided for all countries at national and provincial levels. It identifies trends in wildfire activity since 2003, when the data first became available and monitoring began. We have sliced and diced the satellite-based data on wildfires worldwide from 2009 to the present day. We analyze the wildfires' data by month, type of land cover, protected area, province and nation to produce information products," Peduzzi adds. (Source: UN Environment)

Choose the correct option to answer the questions based on the above passage and graphics. Answer any eight out of ten:

a)What do the reports confirm about the 2019-20 Australian fires?

i.The fires were not normal

ii.The fires were normal

iii.The fires were natural

iv.Data inconclusive

b)What was the difference in the recorded temperatures in 2019 from the 1880s?

i.2019 recorded the wettest temperatures since 1880s

ii.2019 recorded the hottest temperatures ever

iii.2019 recorded the cooler temperatures than 1880%

iv.2019 recorded the warmest temperatures since 1880s

c) What comparison has been made between the rising sea temperatures and Hiroshima?

i.ocean temperatures are rising at the equivalent of three Hiroshima bombs a second

ii.ocean temperatures are rising at the equivalent of five Hiroshima bombs a second

iii. ocean temperatures are rising at the equivalent of five Hiroshima bombs an hour

iv.None of these

d)Choose the option that lists the CORRECT answers for the following:

“Rising temperatures continue to melt records. The past decade was the hottest on record. Scientists tell us that ocean temperatures are now rising at the equivalent of five Hiroshima bombs a second Whose statement is this?

“The trend is very clear: 37 of the last 40 years were the warmest recorded since 1880, and the six warmest years recorded were the last six years.” Whose statement is this?

i.(1) is from United Nations Secretary and (2) is from the UN President

ii.(1) is from the UN President and (2) is from the UN General Secretary

iii.(1) is from United Nations Secretary and (2) is from the Director of UNEP

iv.(1) is from the UN General Secretary and (2) is from the UN President

(e) Based on your understanding of the passage, choose the option that lists the inherent qualities of climate in the present times.

(i) 1 and 3 (ii) 2 and 6 (iii) 3 and 4 (iv) 5 and 6

(f) Which of the following independent data source is NOT PRESENT in the given graph?

(i) NASA (ii) NOAA (iii) ISRO (iv) JMA

(g) Choose the option that lists the CORRECT statement.

i) Pascal Peduzzi is the Director of UNEP's Global Renaissance Information Database . ii) Pascal Peduzzi is the Director of UNO's Global Resource Information Database.

(iii) Pascal Peduzzi is the Manager of UNEP's Global Resource Information Database

(iv) Pascal Peduzzi is the Director of UNEP's Global Resource Information Database

Q3.Below you can see a conversation between Rahul and Shweta. Shweta is just to leave for her college.So she leaves a message for her mother.Write the message.

Rahul: Hello ! Is it 558866?

Shweta : That’s right. Rahul. I am Shweta, How are you?

Rahul.: Fine

Shweta. Where is Mom?

Shweta : She has gone out for shopping

Rahul. : Ok. Tell her that my exams are over which I have fared well, but I can’t come home as my practicals are yet to be held. The dates of practicals are yet to be announced.

Shweta : Anything else?

Rahul : Yes Shweta, also tell her that I need two thousand rupees to purchase some books

Shweta : I'll

Rahul: Ok.Bye.

Shweta : Bye. Take care of yours.

Q4: In the following passages there is an error in each line. Replace the error with the correct word:

	Incorrect word	Correct word
1. Spending time for the kids bring	_____	_____
immediate as well as long last	_____	_____
gain for a parents. According to	_____	_____
a research, children with concerned parents are	_____	_____
more efficient.		
2. Time is most precious than money. Money	_____	_____
once lose can be regained but time once	_____	_____
lost was lost forever. Time and tide	_____	_____
wait of none. Those who don't act	_____	_____
in time, has to repent afterwards.	_____	_____

Q5. In the following passages, one word is missing in each line. Find out the missing word and fill in the blanks :

	Before	Missing	After
1. The television has always very controversial.	_____	_____	_____
While the positive aspects the electronic	_____	_____	_____
device innumerable, their negative impact	_____	_____	_____
on the children cannot denied.	_____	_____	_____
2. I first saw the leopard when I crossing	_____	_____	_____
the small stream. As I crossed stream, and	_____	_____	_____
began climbing the hill, the grunting chattering	_____	_____	_____

increased.

Rearrange the following group of words and phrases to form a meaningful sentence:

1. increase/confidence/they/stamina/level/land
2. teach/unity/they/in/work/to
3. always/does/bring happiness/success/not
4. only money/many/that/believe/success/bring/and/happiness
5. a state/mind/happiness/of/is
6. the garbage / dispose of / properly / please
7. clapped happily / entered / as santa claus / the children
8. had travelled / a long way / was tired / and / the old man
9. has given / us / our cow / milk today
10. come from / where / did / all these letters

• **Read Unit 1 and Unit 2 of My English Reader.**

Art Integrated Activity : To be done in Magazine

Prepare a comic script showing conversation between two camelids where they are discussing about their endangered existence.

Important instructions:

Students are directed to write reflection of their Art- Integrated project in the following format:

1. ***What new I learnt through this project ?***
2. ***What was the WOW moment throughout your research?***
3. ***What difficulties I found in doing this project?***