

POLICE DAV PUBLIC SCHOOL

CLASS VIII

Holidays Homework (SESSION 24-25)

“Here’s to a summer vacation that’s a playground for your imagination, where you can dream big , set goals and work towards achieving them”

LEARNING OUTCOMES –

- 1. The students will identify the types of craft-related cottage industries that spawned in rural areas.***
- 2. The students develop critical thinking and reading skills.***
- 3. The students design handicrafts and the power-point presentation.***
- 4. The students gain practical experience in budgeting and cost management as they track expenses and calculate profit or loss.***
- 5. The students unleash their creativity and hone their design skills.***

SUSTAINABLE DEVELOPMENT GOALS



SUBJECT – SOCIAL SCIENCE

Camelids- A key Source of livelihood



The UN has designated 2024 as the International Year of Camelids. They are an important source of milk , fibre, fertilizers, transport for smallholders farmers and indigenous communities in different regions throughout the world . Camels are diverse avenues of income for many families in India and abroad because they promote Animal Based industry, which is a kind of Cottage or Household Industry . Camel Bones are a more manageable option in contrast to ivory, used for regional handicraft work. In the current Scenario, India is the largest producer of milk . Both production and consumption of animals products have increased rapidly .

To make the concept “ Animal based Industry” (a part of Cottage or Household Industry) more approachable and to build awareness about the untapped potential of camels and our contribution for the conservation of these ‘Heroes’ of deserts and highlands, The Students of class VIII will make the following handicraft items based on Geography Ch-6 Manufacturing Industries .

1. Camel Figurines : (Roll No 1 to 20)



2. Handmade Jewelry Box (Roll No 21 to 40)



3. Fibre Crafts ; - Hand made bag (Roll No 41 onwards)



Material Required :- Card Board , Fabric , Clay , Straw colours , Glue , Scissors and decorative material etc.

Note :- Students will use their creativity to prepare the above items .

SUBJECT – PUNJABI

'ਮਾਰੂਥਲ ਅਤੇ ਉੱਚੀ ਭੂਮੀ ਦੇ ਹੀਰੋ' ਉਠ ਸਾਲ 2024 ਨੂੰ ਮਨਾਉਂਦੇ ਹੋਏ ਵਿਦਿਆਰਥੀ ਪਾਠ -'ਘੜੇ ਦਾ ਪਾਣੀ' ਅਤੇ 'ਅਲੋਪ ਹੋ ਰਹੇ ਕਿੱਤੋ' ਨੂੰ ਪੜ੍ਹ ਕੇ ਇੱਕ -ਇੱਕ ਅੰਕ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਸਹਿਤ ਅਸਾਈਨਮੈਂਟ ਸ਼ੀਟ ਉੱਤੇ ਲਿਖ ਕੇ ਲੈ ਕੇ ਆਉਣਗੇ।

SUBJECT- English

Reading Section

Q-1 Read the following passage carefully and answer the questions that follow:

1. Like millions of other teenagers my 14 years old daughter Kitty is often to be found on sofa, lap-top on her knees, checking facts for the essay she's writing. The TV is on and occasionally she scrolls through face book. She sends SMS, makes calls on her mobile and takes her i-pod headset on and off.
2. To me and to most other parents this seems an impossible way to work. How can you think with all noise? We yell. Homework used to be something to be done in silence with all the distractions firmly removed. Yet for Kitty and her peers, this is normal. The question a lot of experts are now asking is how is this way of working affecting their brains. Kitty and her friends aren't the only ones exposed daily to terabytes of information. Research shows that office workers are interrupted every three minutes by their phones, computers or colleagues. Self-styled road warriors are permanently reachable through their mobiles while they simultaneously (and illegally) drive, talk and listen to the radio. Some feel silence and undivided attention have become the most precious commodities in the world.
3. Mnemonic devices are tricks people use to help themselves remember information. Using visual images are common, such as picturing a flower to remember the name Lily. You may find a chunking technique useful, particularly when trying to remember numbers. For example, it is easier to remember a phone number with hyphens rather than trying to remember all of the digits together, Rhymes, alliteration and acronyms are other mnemonic devices that are useful in remembering information.

4 Adequate sleep also improves your ability to remember. You might think taking a nap may make you groggy, and so opt for a cup of coffee instead. However, sleep is essential for memory consolidation. A 2008 study by Sara Mednick and colleagues at the University of California - San Diego showed people who had a short nap had better memory than those who took caffeine and stayed awake.

- (a) In what condition did the older generation work?
(b) What have become the most precious commodities in the modern world?
(c) Why are mnemonic devices used?
(d) Why is sleep essential for memory consolidation?
(e) The phrase 'precious commodity' means (para 3)

- (i) a useful or valuable thing (ii) a rare object
(iii) a worthless object (iv) a special thing

(f) The following statements are marked Assertion (A) and Reason (R). Read the statements and choose the correct option:

(A) Adequate sleep also improves your ability to remember.

(R) people who had a short nap had a better memory than those who took caffeine and stayed awake.

- (i) Both (A) and (R) are true, but (R) is not the correct explanation of (A).
(ii) Both (A) and (R) are true, and (R) is the correct explanation for (A).
(iii) (A) is true, but (R) is false.
(iv) (A) is false, but (R) is true.

(g) identify the appropriate and the most effective way to study from the pictures given below:



1.

2.

3.

4.

(h) Which of the following statements is TRUE in the context of the passage?

- (i) Taking a nap makes you groggy.
(ii) Adequate sleep also improves your thinking skills.
(iii) Working with all the distractions is very common for today's children.
(iii) Caffeine helps to improve memory

(i) If technology never existed which of the following would happen:

- (1) We wouldn't be able to access online courses.
(2) Communication would be much easier, faster and effective.
(3) The world would be slightly more peaceful place.
(4) Less of psychological and physical issues.
(i) 1,2,3 (ii) 3,4,1 (iii) 2,3,4 (iv) 3,1,2

(j) Select the option which gives the WRONG combination of the words given in the two tables:

- | | |
|-------------------------|----------------------------------|
| (i) caffeine | better memory |
| (ii) Chunking Technique | remembering numbers |
| (iii) adequate sleep | improves the ability to remember |
| (iv) acronyms | remembering the information |

(k) Find a word from the following which means 'a method to improve memory.'
(para-3)

- (i) terabytes (ii) acronyms (iii) mnemonic (iv) precious

(l) Pick out a word from the following which means the OPPOSITE of 'Adequate'
(para 4)

- (i) sufficient (ii) Insufficient (iii) enough (iv) valuable

Grammar Section

Q-2 Fill in the blanks with suitable modals:

1. I ___ cook dinner for everyone tonight.
2. ___ you lend me your car for the weekend?
3. The boss ___ ask you to work overtime today.
4. According to the forecast, it ___ rain later this evening.
5. If John doesn't study, he ___ fail his test.
6. Everyone ___ obey the law.
7. It ___ be challenging to learn a new language.
8. My dad ___ get angry if I come home late.
9. We ___ respect our elders.
10. I ___ go to the gym later.

Q-3 Given below is a set of instructions for making strawberry smoothie. On the basis of the instructions complete the following paragraph.

Steps:

- a) Take strawberry pulp and sugar
- b) Mix them nicely using a mixer-grinder.
- c) Add a cup of smooth yogurt and ice-cubes into this mixture.
- d) Blend all the ingredients well.
- e) Pour the smoothie into tall glasses.
- f) Arrange a straw with a strawberry fan and serve immediately.

Strawberry pulp and sugar (a) _____. They (b) _____ nicely in a mixer-grinder. Yogurt and ice-cubes (c) _____ to this mixture. All the ingredients (d) _____ well. The smoothie (e) _____ into tall glasses. A straw (f) _____ with a strawberry fan and is served immediately.

Q-4 Below you can see a set of instructions for making Chinese Blossom Tea. Complete the following paragraph which describes how Chinese Blossom Tea is made :-

Boil four cups of water in a kettle.

Add two tablespoons of tea leaves.

Boil for two minutes.

Rinse the teapot with boiling water.

Put a layer of rose, mogra or jasmine flowers in the teapot.

Pour tea in the teapot.

Let it stand for five minutes.

Serve before/after meal.

Four cups of water _____ in kettle. When the water has boiled, _____ and made to _____. Meanwhile the teapot _____ with boiling water. A layer of either rose, mogra or jasmine flowers is then _____ and tea _____ before/ after meal.

Q-5 Rearrange the given words/phrases into meaningful sentences.

1. the garbage / dispose of / properly / please
2. clapped happily / entered / as santa claus / the children
3. had travelled / a long way / was tired / and / the old man
4. as you listen / to note down / points / it is important
5. come from / where / did / all these letters
6. the desert / a camel / carries / trough / travellers
7. prince / the young / far and wide / travelled
8. wind blew / the garden / around / the strong
9. after saying / the prayers / left / the children
10. provides / summer day / he tree / shade on a

Art Integrated Project

Make a Power Point Presentation on the topic- 'Role of Camelids in the Culture, Economy, Food Security and Livelihoods of Communities in Andean Highlands'.

RUBRICS –

PRESENTATION – 2 ; CREATIVITY – 2 ; CONTENT ACCURACY – 1

विषय हिंदी

✓ ऊँट का चित्र बनाकर (In 3D form) उसमें ऊँट से संबंधित कोई 10 मुहावरे अर्थ सहित लिखें।

✓ पाठ 14 का पठन करें। पाठ के प्रमुख पात्र जीवनलाल की चरित्रगत विशेषताओं का वर्णन पाठ के आधार पर करें। (Do it on A4 size sheet with Pic of jeewan lal)

✓ पोर्टफोलियो संबंधित दो पृष्ठ आपके कक्षा समूह में हिंदी अध्यापक द्वारा भेजे जाएँगे। कृपया उसकी प्रतिलिपि (Print out/copy) लेकर, उसमें संबंधित जानकारी को भरें।

SUBJECT – SCIENCE

“HEROES OF DESERTS AND HIGHLANDS: NOURISHING PEOPLE AND CULTURE CAMELIDS (IY 2024).”

The United Nations has declared year 2024 the International Year of **CAMELIDS**.

Keeping in view the theme of the year 2024, the students have to design objects inspired by camelids, using materials such as beads, thread, felt or polymer clay etc.

students can create wind chimes, wall hangings, pen stand, handicrafts etc. featuring camelid motifs or colors.



After completing the activity, answer the following questions:

(Refer to Chapter – Synthetic fibres and Plastics)

- Q1. Identify the type of fibres used in making the article.
- Q2. Classify the fibres/plastics as synthetic or natural.
- Q3. Out of the two which one you will consider the best and why?

SUBJECT- MATHEMATICS

1. Fill in the blanks:

- a) Point (0,3) lies on _____ axis.
- b) The coordinates of origin is _____ .
- c) A point whose y-coordinate is zero , will lie on the ____ axis .
- d) A point whose X-coordinate is zero , will lie on the ____ axis .
- e) The least numbers which must be subtracted from 4360 to make it a perfect square is ____.
- f) The value of $(0.9)^2 - (0.1)^2$ is _____.
- g) The greatest number of 4 digit which is a perfect square is _____.
- h) The least square number which is exactly divisible by 10,12,15 and 18 is _____.
- i) The Simplified form of $\frac{3}{\sqrt{0.09}}$ is _____.
- j) The cube of any multiple of 3 is always divisible by _____.

2. If $\frac{2707}{\sqrt{x}} = 27.07$, find x.

3. If $\sqrt{5625} = 125$, then find the value of $\sqrt{156.25} + \sqrt{1.5625}$

4. Find the square root of 14641 by Prime Factorisation method.

5. Find the square root of 144 by repeated subtraction method

6. Is 2352 a perfect square? If not, find the smallest multiple of 2352 which is a perfect square. Find the square root of the new number.

7. One of the members of the Pythagorean Triplet is given below. Find the other numbers .

- a) (6,----,-----) b.(9,----,---) c.(-----,8,----) d. (-----, 24,-----)

8. Find the least number which should be subtracted from 180 to make it a perfect square.

9. Find the value of $\sqrt{10 + \sqrt{25 + \sqrt{108 + \sqrt{169}}}}$

10. Area of a square plot is 2304 m². Find the side of the square plot.

11. Find the $\sqrt{1734489}$ by long division method

12. Find the square root of 5 correct to three places of decimals.

13. The length of a rectangle is 3 times its breadth. Its area is 972 sq. meter. Find the perimeter of the rectangle.

14. Find the value of: $\sqrt[3]{4 \frac{12}{25}}$

15. Evaluate the cube root of $\sqrt[3]{\frac{0.008}{0.027}} \div \sqrt[3]{\frac{729}{512}} \times \frac{27}{16}$

16. By what least number 4320 be multiplied to obtain a number which is a perfect cube?

17. Divide 26244 by the smallest number so that the quotient is a perfect cube. Also, find the cube root of the quotient.

18. Find the smallest number by which 8788 be divided so that quotient is a perfect cube. Also, find the cube root of the quotient.

19. Evaluate:

a) $\frac{8^{-1} \times 5^3}{2^{-4}}$

b) $(5^{-1} \times 2^{-1}) \times 6^{-1}$

c) $2 \times 9^{\frac{3}{2}} \times 9^{\frac{-1}{2}}$

d) $\left[\left(\frac{1}{3} \right)^{-1} - \left(\frac{1}{4} \right)^{-1} \right]^{-1}$

20. Find x if:

a) $(\sqrt{3})^x = (3)^8$

b) $\left(\frac{2}{7} \right)^y = 1$

c) $2(3^x - 3^{x-1}) = 324$

d) $6(5^x - 5^{x-1}) = 120$

e) $\frac{10}{3} \times 3^x - 3^{x-1} = 81$

f) $10^x = (1^3 + 2^3 + 3^3 + 4^3)^{\frac{-3}{2}}$

20. If $2^4 + 3^2 = 5^x$, find x

21. 1. Draw the points (5, 4) and (4, 5). Do they represent the same point?

22. 7. Plot the points A(0,2), B(5,2), C(2,1) and D(1,6) on the graph paper.

23. Write the answer to each of the following question

(a) What is the name of the horizontal and vertical lines drawn to determine the position of any point in the Cartesian plane?

(b) Write the name of the point where the above two lines intersect.

ART INTEGRATED PROJECT

“PRICE TAG CHALLENGE: UNFOLD YOUR PROFITS”

Create a foldable price tag for the HANDICRAFT you made. Here are the steps to follow:

1. Design the price tag: Create a foldable price tag that is visually appealing and easy to read. The outside of the tag should display the price at which you intend to sell your model.

2. Calculate costs: On the inside of the price tag, list all the costs incurred in making this model. This should include the cost of the material used in its making.

3. Determine profit or loss: After listing the costs, determine your profit or loss percentage.

Happy Holidays