HOLIDAY

Engagement

CLASS- VII

"Your holiday is an opportunity to discover new things and expand your knowledge."

summer break

Dear Children and Parents

It is summer time; I hope you would enjoy your holidays to the best of your capacities. Holidays are time when you can connect with your child in many ways. As parents are the first and the most important teacher for a child, we can encourage our child to participate in many educational activities at home and promote his/her quest to learn. Working together will not only help your child to build, learn and develop his/her skills but also strengthen your bond with him/her

➢ Spend good time with your family,

➢ Try to do your written work regularly to enhance your writing power.

➢ Pay special attention towards your health and care.

➢ Don't Play in the sunshine or on hot places.

General Instructions:

o All the work is to be done on A4 sheet or as directed by the concern subject teacher.

o It should be neat and clean

o The homework should have proper borders.

o All the subject homework should be kept properly in a folder for submission.

o Read all the homework carefully before starting of the homework.

o Please follow the instructions given in each subject's homework.

o For any doubts you may contact the concern teacher through phone number given at the end of the holiday assignment.

o All the Homework will be marked and assessed, so it is COMPULSORY, to do all the subject's homework.

Its SUMMER TIME again. Time for strengthening family bond, tying threads of family tree, sharing joys and sorrows, having a good time together. Do shower your love and care on people you meet and get loads of blessings in return.

Take good care of your health and hygiene. Avoid heavy and oily food and increase intake of fresh fruits and water to keep yourself well hydrated and energetic. Use Holiday Homework as an opportunity to spend quality time together. Let your child take the lead and use his/ her imagination, creativity and knowledge to do the assigned task. The role of the parent is to be a facilitator and guide to steer the child in the right direction. He/ She will find his own destination. Original work of students will receive greater recognition and appreciation.

Guidelines for parents: -

- Holiday homework has to be done under the parental guidance.
- Kindly complete and send the homework in a paper bag on the first day after the summer break.
- Make your ward read resource books.
- Make your ward learn and remember his/her parents mobile /landline number, house address etc, to make him/her independent and secure.
- Do not miss to take your child, outdoors in the evening.
- Do any creative act, which you are good at with your ward and send it to school after vacations.
- Fix up a time table for your ward to organize his/her daily routine like, watching television, playing with friends, studying etc.
- Make your child responsible by assigning some of the household responsibilities to him/her like, watering plants, arranging the dining table, organizing his/her room and cupboards, fill the empty water bottles and put them in refrigerator.
- Above mentioned guidelines will help your child to become a smart and an active learner.

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General Note-For any queries related to Summer Holiday Engagement, please feel free to contact in between 10:00 am to 1:00 pm.

Sr.No	Name of the Teacher	Contact Number
1	Ms.Pallavi Jain	9303900196
2	Ms.Tanuja Thakur	9303772646
3	Ms.Parul Agrawal	9343641312
4	Ms.Vaishali Goyal	9303900183
5	Ms.Neelam Surana	9303772636

1. Make an appealing poster with captivating slogans, on an A – 4 size thick sheet paper, encouraging the public to 'Save Nature'

2. Imagine you are a tree (Apple tree/Banyan tree or any of your choice) and write your autobiography in a Tree shaped scrap book. Write how you were born, how you help human beings (such as, providing fruits, oxygen, absorbing CO_2, wood for furniture and so on), how human beings treated you (such as cut you down for making buildings, etc.). Besides, give an inspiring message to the human beings making them realize how they are harming themselves by cutting down trees in large number and motivate human – beings to promote afforestation instead of deforestation such as by passing strict laws against deforestation and so on.

3. Read the following passage and answer the questions that follow:

Plants are everywhere. There are different kinds of plants located throughout the world, on every continent. There may be plants growing inside a home, being cared for each day with water, sunlight, and nutrients added that are added to the soil. Plants may produce fruits, vegetables, and flowers. All of the plants must grow to live and survive.

There are several things nearly every plant needs to grow from a small seed to a healthy plant. Plants, like humans, are living organisms, so they need some of the same things humans need.

The Sun is needed for plants to grow. Plants use the energy from the Sun to make its own food. This takes place inside the leaves of the plant. The process is called photosynthesis. It is a big word but it is the process used for plants to survive. However, if a plant gets too much Sun it may die, and if it does not get enough Sun, the plant may stop growing.

Many of the nutrients that plants need are found in soil. The nutrients found in soil include nitrogen, phosphorous, and potassium. Nitrogen is used for making the leaves green. Phosphorous leads to large flowers and a strong and healthy root system, and the potassium helps a plant to fight off diseases.

This means plants must have healthy soil to grow properly. In addition, the soil will also give support to the plants and help prevent the plants from falling over.From the air, plants receive carbon dioxide (CO2) to help with the process called photosynthesis, which is how plants use the sun's energy to make its own food allowing it to grow. During photosynthesis, plants also release oxygen (O2) into the air. The oxygen that is released is breathed in by animals, including people.

Of course, water is also necessary for plants to grow healthy and strong. The water a plant receives helps bring the nutrients to the plants through its roots, stem, and then into the leaves.

The other needs for plants include the right temperature for a plant to grow strong. Most plants grow well in warm daytime temperatures, and cooler night-time temperatures. If the temperatures are too hot, the plants will dry up and burn, and if it's too cold, they will freeze.

Finally, they need room and time to grow into strong and healthy full-size plants. Without room to grow, plants can become too small and not reach their full potential. And if there is overcrowding, plants may suffer from a disease or not receive enough air.

All plants start out as a small seed. With the proper care, the seeds then grow into a wide variety of plants found in different places throughout the world. Some plants are huge, some are small, and there are many other sizes in between.

In summary, plants grow like other living organisms, with the biggest difference being they can make their own food using the Sun for energy using a process called photosynthesis. They also need to be planted in the right soil with the proper nutrients. And just like people, plants need air and water to survive.

Plants also need the right temperature, as well as time and space to grow. A plant cannot grow overnight. They need to be cared for, almost like people.

I. Find the words from the passage which mean the same as the following:

a. to turn into ice or another solid as a result of extreme cold. (para 7)

b. to show the capacity to develop into something in the future (para 8)

II. Find the words from the passage which mean the opposite as the following:

a. to allow or to encourage (para 4)

b. to die or to perish (para 1)

III. Choose the correct option:

1) All of the nutrients that plants need are found in which of the following?

   (i) Sun   (ii) Water   (iii) Soil   (iv) Air

   (2) All of the following nutrients are found in the soil which help plants grow EXCEPT:

         (i) Nitrogen   (ii) Phosphorous   (iii) Potassium   (iv) Carbon – di – oxide

(3) Which of the following plant nutrients help a plant fight off diseases?

   (i) Nitrogen   (ii) Phosphorous   (iii) Potassium   (iv) Carbon – di – oxide

(4) Which of the following helps bring the nutrients to the plants through its roots, stem, and then into the leaves?

(i) Sun   (ii) Water   (iii) Soil   (iv) Air

(5) Which of the following does a plant receive from the air?

(i) Nitrogen   (ii) Phosphorous   (iii) Potassium   (iv) Carbon – di – oxide

(6) Most plants grow well in what kind of the following temperatures?

   (i) Warm daytime/cool night-time   (ii) Cool daytime/warm night-time

(iii) Cool daytime and night-time   (iv) Warm daytime and night-time

4. Read the chapter, 'The Scholarship Jacket' (Unit 1 Section 2). Write who are the main characters, the meanings of the new words and the answer of the questions given in the book in your English Notes copy.

हिन्दी

गतिविधि :

प्र. १ वृक्षों का महत्व विषय पर १५० - १७५ शब्दों में सांकेतिक बिन्दुओं के आधार पर अनुच्छेद लिखिए। (संकेत बिंदु :- वृक्षों का महत्व, वृक्षों से होने वाले लाभ, वृक्षों का पालन-पोषण और वृक्षों को काटने से होने वाली हानियाँ)

प्र.२ किसी पौधे की विकास प्रक्रिया की प्रयोग विधि का अवलोकन कीजिए और उसको अपने शब्दों में लिखिए ।

प्र. ३. किन्हीं तीन कृषि यंत्रों के चित्र चिपकाइए और उनके विषय में दो - दो वाक्य लिखिए।

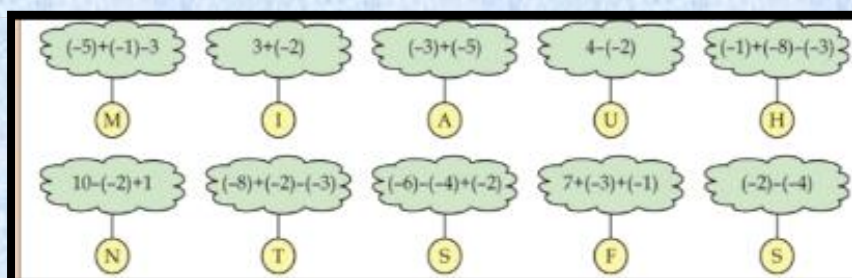नोट:- दिए गए ग्रीष्म अवकाश के गृहकार्य को **A - 4** आकार के पेपर पर परियोजना कार्य के माध्यम से कीजिए।

Topic -Integers

Welcome to your holiday homework on integers related to plants! In this assignment, you will explore the world of plants and their growth, and apply your knowledge of integers to understand the concept of plant growth and measurement.

Here are the tasks for you to complete:

1. Choose a plant from your garden or nearby park and observe its growth for a week. Record the plant's height (in centimeters) each day in a table. Use negative integers to represent any decrease in height and positive integers for any increase in height.
2. Suppose the plant is growing at a rate of 2 cm per day. Use integers to represent the change in height of the plant after 3 days, 5 days, and 7 days.
3. Research the tallest and smallest plants in the world and record their heights in meters. Use integers to represent the difference between the heights of the tallest and smallest plants.
4. Create an integer alphabet. Start with A=-12 and continue to Z=13. Find the value of your first and last name. Compare your first and last name using >, < or =.
5. Puzzle Time- Given below is a simple sentence of 3 words. Each word is arranged in Jumble. Find out the numerical value of each alphabet according to their increasing numerical value. Your puzzle is solved!

(-5)+(-1)-3	3+(-2)	(-3)+(-5)	4-(-2)	(-1)+(-8)-(-3)
M	I	A	U	H
10-(-2)+1	(-8)+(-2)-(-3)	(-6)-(-4)+(-2)	7+(-3)+(-1)	(-2)-(-4)
N	T	S	F	S

6.

✛ SUM UP ✛

Do any exercise below and find your answer in the code key. Notice the letter above it. Print this letter in the box at the bottom of the page that contains the number of the exercise. Keep working and you will create a special message.

CODE KEY

W	G	H	D	L	S	A	E	O	Y	I	U	T	C	M	R	P	N	F
$^-18$	$^-15$	$^-13$	$^-10$	$^-8$	$^-7$	$^-6$	$^-4$	$^-3$	$^-1$	0	2	3	4	5	7	8	14	17

1) $^-8 + 2 =$

2) $6 + 8 =$

3) $5 + ^-9 =$

4) $^-9 + 1 =$

5) $^-3 + ^-1 =$

6) $^-1 + 5 =$

7) $^-3 + 6 =$

8) $9 + ^-2 =$

9) $^-3 + 3 =$

10) $^-5 + 9 =$

11) $^-7 + ^-3 =$

12) $8 + ^-8 =$

13) $^-1 + ^-6 =$

14) $^-20 + 7 =$

15) $^-9 + ^-9 =$

16) $^-7 + 1 =$

17) $2 + ^-9 =$

18) $^-9 + ^-4 =$

19) $^-7 + 3 =$

20) $3 + 4 =$

21) $^-7 + ^-8 =$

22) $4 + ^-8 =$

23) $^-6 + 9 =$

24) $^-10 + 3 =$

25) $6 + ^-7 =$

26) $^-9 + 6 =$

27) $^-3 + 5 =$

28) $2 + ^-5 =$

29) $^-7 + 9 =$

30) $8 + ^-5 =$

31) $^-1 + ^-2 =$

32) $8 + 9 =$

33) $^-8 + 1 =$

34) $3 + ^-6 =$

35) $^-2 + 7 =$

36) $^-5 + 1 =$

37) $^-1 + 4 =$

38) $4 + ^-7 =$

39) $^-4 + 6 =$

40) $^-9 + ^-6 =$

41) $7 + ^-20 =$

42) $^-15 + 8 =$

43) $7 + ^-3 =$

44) $^-1 + 8 =$

45) $3 + ^-9 =$

46) $^-1 + 9 =$

47) $8 + ^-12 =$

48) $^-3 + ^-4 =$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

Q1) Determine the following products:

a) (-15) X 8   b) (-25) X (-9)   C) 125 X (-8) d) -2 X 36 X (-5)   e) (-2) X (-4)

Q2) Divide
a) -85 ÷ 5   b) -161 ÷ (-23)   C) 102 ÷ 17

Q3) Find the value of
a) (-32) + 4   b) (-30)+ 50 – (-70)   C) -20+ 25- 10   d) -30+ (30- 5)

Q4) Jack divided-350 and -7. What is the quotient?

Q5)The temperature at 1:00pm was 10degree Celsius above zero.
If it decreases at the rate of 2degree Celsius per hour until 10pm at what time would the temperature be 6 degree Celsius below zero?

Q6) At Srinagar, temperature was -7 degree Celsius on Tuesday and then it dropped by 2degree Celsius on Wednesday.
What was the temperature of Srinagar on Wednesday?

Q7) Radha deposits rs 2000 in his bank and withdraws rs 1642 from it, the next day. If withdrawal amount from the account is represented by a negative integer, how will you represent the amount deposited ? Find the balance in Radha's account after the withdrawal.

Q8) Rita goes 20km towards east from a point A to the point B, she moves 30 km towards west along the same road. If the distance towards the east is represented by a positive integer then, how will you represent the distance travelled towards west? By which integer will you represent her final position from A?

General Note-

Please complete the above tasks in a neat and organized manner on A-4 size color paper, and submit your work on the first day after reopening of school after the holidays.
Happy exploring!

1. Collect pictures of plants showing various modes of nutrition and mention the mode of nutrition. Use A3 size paper for this activity.

2. Prepare a 3D model of Photosynthesis along with Defination and Chemical Reaction.

   Refer this creative for the 3D model.

Topic - Fibre to Fabric

Read chapter -3 of science textbook and complete the following questions.

1. **Fill in the blanks:**
   (a) Every fabric is made from _____.
   (b) Cotton and silk are examples of _____.
   (c) Nylon is an example of _____.
   (d) Shearing of the Wool is done with special instrument called_____.
   (e) India is the largest producer of _____ fibre. Which is majorly grown in the Sundarbans delta.

2. **Write N next to the natural fibres and S next to the synthetic fibres.**
   a. Flax_____
   b. Silk_____
   c. Jute_____
   d. Nylon_____
   e. Acrylic_____
   f. Rayon_____

3. **Find out the major sources of wool in India.**

4. **Make a poster on processing of wool with the topic, ' From Farm to fabric'**

5. **Activity: Create a Storyline of Life Cycle of Silk- Worm.**
   Material Required- Shells(or any small cylindrical object to wrap wool on), cotton wool, leaves, sticks and marshmallow(or white modelling clay)

General Note- Please complete the above tasks in a neat and organized manner on A-4 size color paper, and submit your work on the first day after reopening of school after the holidays.

Happy exploring!

India from ancient times is rich in varied flora. From medicinal use to decorative purpose it has widen its scope .Now-a-days it became the commercialized sector. List down the 5 plants which are exported from India for trading purpose. Consider following points into account while making project :

1) Environment required for growing each plant. (Ex- Temperature, Location, Water, soil and climate)

2) Revenue generated by each plant. (use pie charts, tables and pictures)

3) Labour Skill Requirement.

4) Process of exporting plant from India.
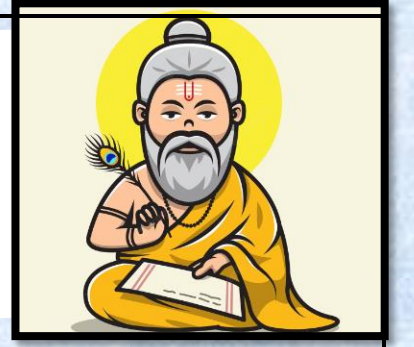
5) Future scope of Exporting each plant.

General Note :

1.Use A4 size colored paper sheets for making the Project2.You can use following links for your reference.https://wii.gov.in/nwdc_plantshttp://www.wiienvis.nic.in/Database/gsd_8112.aspx

संस्कृत

प्रश्न १. कस्मिन् पंचम वृक्षाणाम् नामानि स्वकीयं पुस्तकं सचित्रम् लिखत।
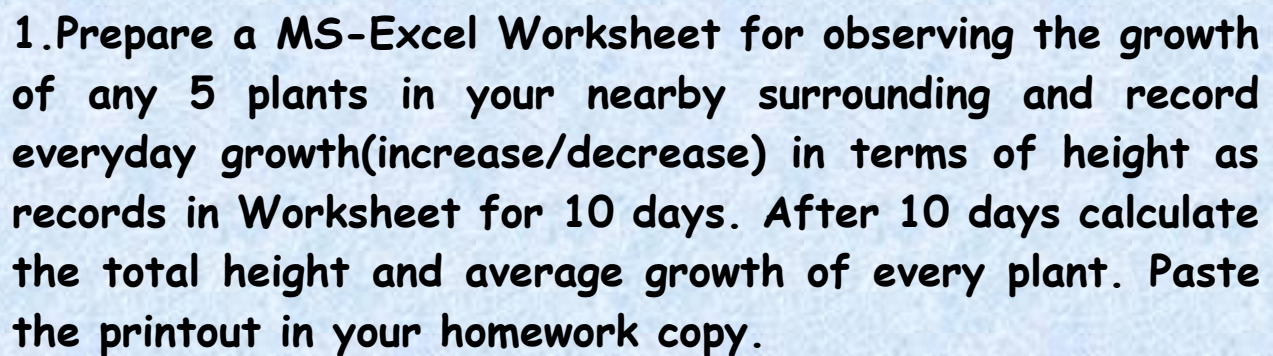
(किन्हीं पाँच वृक्षों के नाम चित्र सहित लिखिए।)

प्रश्न २. भारतीय महीनों के नाम संस्कृत में लिखिए।

प्रश्न ३. १ से ५० तक गिनती संस्कृत में लिखिए।

संस्कृत मे ०१ से ५० तक की गिनती

१ - एकम्	११ - एकादश	२१ - एकविंशति:	३१ - एकत्रिंशत्	४१ - एकचत्वारिंशत्
२ - द्वे	१२ - द्वादश	२२ - द्वाविंशति:	३२ - द्वात्रिंशत्	४२ - द्विचत्वारिंशत्
३ - त्रीणि	१३ - त्रयोदश	२३ - त्रयोविंशति:	३३ - त्रयत्रिंशत्	४३ - त्रिचत्वारिंशत्
४ - चत्वारि	१४ - चतुर्दश	२४ - चतुर्विंशति:	३४ - चतुस्त्रिंशत्	४४ - चतुश्चत्वारिंशत्
५ - पञ्च	१५ - पञ्चदश	२५ - पञ्चविंशति:	३५ - पञ्चत्रिंशत्	४५ - पञ्चचत्वारिंशत्
६ - षट्	१६ - षोडश	२६ - पड्विंशति:	३६ - षट्त्रिंशत्	४६ - षट्चत्वारिंशत्
७ - सप्त	१७ - सप्तदश	२७ - सप्तविंशति:	३७ - सप्तत्रिंशत्	४७ - सप्तचत्वारिंशत्
८ - अष्ट	१८ - अष्टादश	२८ - अष्टाविंशति:	३८ - अष्टत्रिंशत्	४८ - अष्टचत्वारिंशत्
९ - नव	१९ - नवदश	२९ - नवविंशति:	३९ - नवत्रिंशत्	४९ - नवचत्वारिंशत्
१० - दश	२० - विंशति:	३० - त्रिंशत्	४० - चत्वारिंशत्	५० - पञ्चाशत्

नोट:- दिए गए ग्रीष्म अवकाश के गृहकार्य को **A - 4** आकार के पेपर पर परियोजना कार्य के माध्यम से कीजिए।

1.Prepare a MS-Excel Worksheet for observing the growth of any 5 plants in your nearby surrounding and record everyday growth(increase/decrease) in terms of height as records in Worksheet for 10 days. After 10 days calculate the total height and average growth of every plant. Paste the printout in your homework copy.

*Note:-Use the following Format

S.no	Plants Name	Day 1	Day 2	-	-	-	Day 10	Calculate Total	Calculate Average