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Holidays' Assignments for Summer Vacations (2019-20) for Class VII

General Instructions:

1. Get up early in the morning and go out for a walk daily.
2. Make a Bird feeder and add seeds for birds daily and also place water for them.
3. Raise a small kitchen garden by planting seeds.
4. Learn any one folk song.
5. Help your mother in cooking and learn vegetable cooking and salad decoration.
6. The summer break for Nursery to XII will be from May 24, 2019 to July 1, 2019 (Both days inclusive). School will reopen on July 2, 2019.
7. Revise the syllabus of all subjects done before summer vacations for Unit Tests to be arranged after summer break.
8. Try to make your handwriting better by practicing and do your HW in good handwriting.
9. Do assignments in separate note books for each subject and make a single project file for all projects & submit it to your class teacher on July 2, 2019.
10. **Register & Participate in 1st stage of 5th Online International Humanity Olympiad by accessing through our web portal – www.humanityolympiad.org or Android App - Awake Humanity (play store). Every individual passing the exam (i.e. scoring minimum 40%) will get an e-certificate through e-mail immediately on their emails. School code is : FATE001**
11. Learn all the prayers and mantras given in student diary.

ENGLISH

1. Prepare following chapters for Unit test-
   Chapter 1 , 2, 3 (literature) Tenses, Notices, Rearranges, Unseen Passages
   Learn Chapter-1, 2, 3 of Literature
    Do chapter 12 of practice book

2. Writing personal diary is a good habit to save your memories of important events of life. Write at least five diary entries of any five special days during summer vacations based on your experience.

3. Prepare these topics for Declamation contest to be held after summer vacations:
   a)   Importance of Reading (Roll no. 1 to 10)
   b)   Importance of Cleanliness (Roll no. 11 to 20)
   c)   Value of Discipline (Roll no. 21 to 30)
   d)   Mobile Phone- a Curse for Children (Roll no. 31 to 40)
   e)   Harmful Effects of Watching TV (Roll no. 41 and above)

4. Prepare bio-sketches of any two of your family members; paste them into a scrap book along with the photo of the person.

5. Find difficult words (at least 50) from your Literature Book chapter 1 to 6 and write their synonyms in the notebook.

6. Make an invitation card to be sent to your best friend on your birthday.

7. Do the following tasks on A4 size sheet and be creative in your presentation:
   A) Do any five notices of lost things on drawing sheets.(R.No. 1-20)
   B) Do any five notices of found things on drawing sheets. (R.No. 21 onwards)
   C) Write 10 new words with their synonyms and antonyms.
   D) Write five examples of Alliteration, metaphor,personification, simile

8. Read any one book of RUDYARD KIPLING and write a review on a drawing sheet in 100-150 words.

9.Do the following assignment in notebook
   Fill in the blanks with appropriate verbs given in the bracket:
    There was a time when people ……… (laugh) with their hearts. Their hearts …….. (be)   full of affection and joy. When they laughed their eyes …….. (shine) with the light of joy. They ……. (welcome) each other very warmly. But

now time …….. (change). People usually ……. (pretend) to laugh. There ….. (be) no joy or affection in their hearts. They ……. (become) selfish. They …….. (not want) to help each other.

I met Sanjay today and instantly …… (decide) that he would be my best friend in the new school. He was a person I …………. (look) for ever since I joined my new school. It seems that he ………. (belong) to a respectable family. His decent way of talking, his manners and his humility ………. (impress) everyone. Above all, he is last year's topper. When I told him that I ….. (be) a new comer he ……… (shake) hands with me smilingly and assured me of every help in the school.

Recently, I ………. (come) to know that you eat a lot of fried things. You are fond of eating burgers and pizzas. You also ……. (take) fizzy drinks like coke almost regularly. You also ……… (create) scene when mother ….. (not oblige) you. Don't you ……. (know) the ill effects of fast and fried foods. They …… (upset) your stomach very soon. They ……. (make) you obese. Your friends will make fun of you and …….. (start) calling you 'fatty'.

Mahatma Gandhi, the father of nation, …….. (lay) great stress on cleanliness of our surroundings. It was during the time when India was not independent. He …… (be) well aware of the bad and unclean situation of India. He …… (decide) to start the cleanliness campaign. He ……. (go) door to door and tried to make the people aware. He also ….. (request) some teachers to teach the illiterate.

Indian woman ……. (enjoy) great respect and status in ancient times when the world ….. (suffer) from the male chauvinism. But during the Mughal rule , she …….. (lose) her freedom and status. By and by, she …….. (become) a neglected member of society. Her condition …… (not improve) till we got independence. After independence, women were constitutionally granted the status of equality with men. But it is a matter of sorrow that this equality is only on the paper. No doubt, she …… (make) some progress. She …. (seek) education and serves in offices. Yet the majority of them still …… (lead) a miserable life.

10. **Rearrange the following sentences:**
    a. capital/ Shimla/is/of/Himachal Pardesh/the
    b. surrounded/lush/it/with/hills/green//is
    c. tourists/it/for/favourite/is/destination/today/a/
    d. even more beautiful/in the winter/shimla looks/with snow/when the whole/is covered/of the city
    e. ,fresh air/cold cilamte/and beautiful buildings/its/on the earth/a heaven/make it
    f. A fan/visiting Shimla/makes you/at once/ of this place
    g. Love to spend/big fan/I am also a/and/there/my holidays/of Shimla
    h. Shimla/my /home/second/in fact,/is
    i. Makes/all work/a dull boy/and no play/jack
    j. Some entertainment/also/alongwith work,/needs/a person
    k. There/means/recreation/are/many/of
    l. Play cards/watch T.V.,/and read books/we can
    m. No/provide/they/physical exercise/to us
    n. Provide us/sports/recreation and/keep us fit/at the same time
    o. In many/are very useful/sports/ ways/other
    p. And duty/they/discipline/us a sense /teach/of
    q. Always follow/a good/the rules/sportsman/of the game
    r. And games/man's/a/sports/character/build
    s. Unless all the players/no team/play with/can win/a team spirit
    t. But for the/individual glory/glory of the team/they/play/for/not/the
    u. Learn to help/so,/and cooperate/they/one another/with
    v. Defeat gracefully/sports teach/above all,/accept even our/us to

VII-2

1 – प्रतिदिन एक पृष्ठ सुलेख लिखें | (दस दिन तक)

2 – कोई भी दो कहानियाँ पढ़कर उनका नाम लिखें व उनसे मिलने वाली शिक्षा को चार – पाँच पंक्तियों में लिखें |

3 - पाठ 1 से 5 ज्ञान सागर में से प्रत्येक पाठ में से पाँच आंतरिक प्रश्न –उत्तर बनाएँ जो की अभ्यास कार्य में न दिए गए हो |

4 – अपने शहर के किसी एक ऐतिहासिक या दर्शनीय स्थल का 80 से100 शब्दों में वर्णन करें |

5 – 1 से 100 तक हिंदी में गिनती लिखें |

6 – किसी एक पर्वतीय स्थल या किसी भी ऋतु का चित्र चिपकाएँ व उसे देखकर 8 से 10 पंक्तियों की एक स्वरचित कविता लिखें |

7 - पाठ 1 से 5 ज्ञान सागर व अभ्यास सागर याद करें |

8 – सारा कार्य हिंदी बी की कॉपी में करें |

MATHS

1. Do all the examples of unit- 1, 2,3 and 13 in holidays' H.W. notebook.
2. Revise the syllabus covered till now.
3. Activities:

   a). Draw 5 symmetrical paper cut designs.

   b) Draw 5 symmetrical designs on drawing sheets and draw their lines of symmetry.

   c) Draw 2 greeting cards using Ink dot designs or any symmetrical patterns or punching holes with punching machine.

   d) Draw all the capital alphabets of English and draw their lines of symmetry.

   e) Write one innovative and meaningful poem related to mathematics.

4. Solve puzzles:

Puzzle time

Highest total!

9 7
2 9
6 5
5 4
6 8
9 9
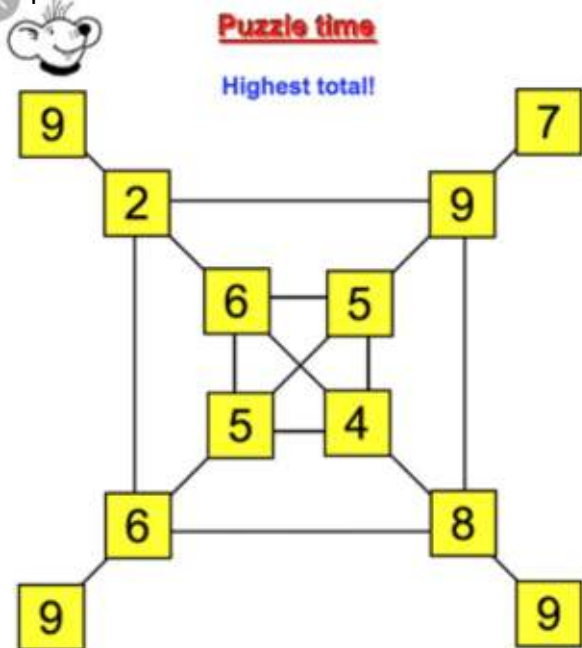
Start anywhere and collect five numbers by following the paths - no jumping or going back over a path twice!

What is the highest total you can make?

Puzzle time

Four lines

Now this really does need some imaginative thinking - but it is possible!!

Can you join all nine dots with four straight lines, without taking your pencil off the paper? You can not go over any line twice.

Do following assignments in holidays homework notebook

5. The sum of two rational numbers is -4/7. If one of the rational is 1/7.Find the other rational number.
6. What number should be added to -7/16 to get ¼.
7. Represent the following rational numbers on number line: 2/3, -3/7, 6/5
8. Express -2/7 as a rational number with numerator
   -8,   16,   -32
9. Compare the rational numbers
   -5/8 and 3/-4
10. Compare : -6/21 and -7/-20
11. Arrange in ascending order
   -1/-4, 3/8, -5/-16, 8/96
12. Arrange in descending order :
   -7/22,   -1/4, -3/16, -11/32
13. Express -6/8 with 3 as numerator.
14. Express in standard form.
   216/-512, -119/-187, 36/52
15. Simplify: (2/3 X 3/-7) X (-21)
15. Simplify: (2/3 X 3/-7) X (-21)
16. Simplify: (4/9 X -9/16)$^{-1}$
17. Find: 1/13 of 13/2 dozen eggs.
18. Verify the property x X (y + z) = x X y + x X z
   X= -2, y= -7/4, z=-3/16
19. A round stick of length 66m is to be converted into stumps such that length of each stump is 75cm. How many such stumps can be formed?
20. Find four rational numbers between -1/3 and 4/3
21. Divide o.o216 by o.6
22. A car cover a distance of 89.1Km in 2.2 hours. What is the distance covered in 1 hour.
23. By what number should -3/4 be multiplied in order to produce 2/3.
24. Without actual division, determine the given rational numbers have a terminating or non-terminating decimals.   155/50,   15735/80, 22/90, 135/625
25. Simplify: (156.25 ÷ 0.025) X 0.02 – 5.2
26. Simplify: 15 + 2.57 – 23.07 - 5.003
27 Simplify: 3.125+ 0.125 + 0.50 – 0.225
28. Divide the sum of 5/21 and 4/7 by their difference.
29. Verify that
   (x + y)$^{-1}$ ≠ x^{-1} + y^{-1} by taking x = -5/11, y= 7/3
30. Verify that
   a X (b + c) = a X b + a X c   by taking   a = -5/3, b = 2/7, c = 1/-4
31. Find x: 3/5 = 138/x
32. Simplify: 36.54 – 15.79 + 85.2 – 57.615
33. Convert in standard form: 17.38,   0.342
34. Add: 15.44, 7.524 and 25
35. A bucket contains 24 litres of water. How many ½ litre jugs can be filled from the bucket to get it

emptied?

36. A wire of length 12 m is cut into 10 pieces of equal length. What is the length of each piece.

37. Write in descending order: 2/7, 11/35, 9/14, 13/28

38. Find four rational numbers between -4/8 and 3/8

39. Verify x X (y + z) = x X y + x X z   if x=2/3,   y=5/3, z=2

40. Can you find a rational number whose numerator is less than its denominator is equal to a rational number whose numerator is greater than its denominator?

41. If + means ÷, × means -, ÷ means × and - means+, than 8 + 6 × 4 ÷ 3 - 4 = ?

42. Look at this series: 5, 9, 17, 29, 45, ... What number should come next?

43. Which expression has greater value?
   a)$17 \div 1/30$ or $30 \div 1/17$
   b)$1/10 \div \frac{1}{2}$ or $\frac{1}{2} \div 1/10$

44. Let a = 24, b = -8 and c = 4.Verify a x (b + c) = a x b + a x c

45. If $a/9 \times 9/20 \times 4/9 = 1/9$, what will be the value of a.

Social Science

1. Make a brief write up of soil types, diagram of soil formation, features of soil and paste map of different soil types found in India.
2. Prepare a report on the type of soil found in your area with special reference of crop production in that soil.
3. Collect the weather report of the one week from the newspapers and write in the tabular form (See sample on page No. 32).
4. Prepare a comparative table as per the format of page no. 81 about the Rashtrakutas, Pala, Pratihara.
5. Revise chapters 1, 2, 3, 4, 9&10 (with internals).

Map Activity:-
1. On the outline map of world show the given National parks.
   a) Gir national park-India
   b) Jim Corbett national park- India
   c) Yellowstone National park-USA
   d) Serengeti National park –Tanzania
   e) Fiord land National park –New Zealand
2. On a political map of the world, identify and locate the countries visited by Marco Polo.
3. On an outline map of India, mark the extend the Rashtrakuta, Pala, Pratihara and Rajput kingdoms.

Science

Let's Find Out

• Find out at least 5 symbiotic relationships other than given in book, also paste their pictures and write about their dependence on each other.

• Find out 5 plants whose leaves are not green in colour. Paste their leaves and specify how they are able to perform photosynthesis.

• Survey Report: Increasing Consumption of water.

Conduct a survey in a locality and interview the residents(any 5 houses) about the availability of water in their locality. Find out if there are tube-wells in the locality. Also enquire if they are using water purifiers(RO or other water filter), the TDS in the region. Is the water filter or RO required in the region? Find out he wastage of water per day while using RO.

Record the information in a table on A4 size sheet.

Survey Report:

1. Name of locality_____   2. House no. _____

3.Date:_____

4. Water Filter Brand:_____

5. TDS: _____

6. Wastage of water from RO/Filter per day:_____

7. Ground Water Level of that area:_____

Project Work:

a) Check any five substances at home for acids or bases using litmus paper strips. Write your observations in the given table: (Roll no 1 to 20)

Name of the substance	Taste (bitter/ sour)	Litmus used	Change in litmus

b) Draw the model explaining the process of digestion in amoeba using clay, board and colours.(Roll no.1 to 20)

c) Prepare Flash cards of organs of digestive system , their functions and their diseases.(Roll no.20 onwards)

d)Use China rose and Turmeric as indicators to check any 5 substances at home for acids and bases. Write your observations in tabular form as given above. (Roll No. 20 onwards)
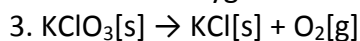
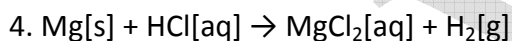## Balance the following chemical reactions and write the type of reaction also:

1: $CH_4[g] + O_2[g] \rightarrow CO_2[g] + H_2O[l]$
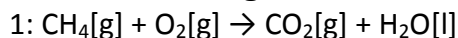
Methane + Oxygen → Carbon Dioxide + Water

2. $Al[s] + O_2[g] \rightarrow Al_2O_3[s]$
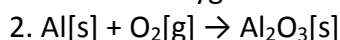
Aluminum + Oxygen → Aluminum Oxide

3. $KClO_3[s] \rightarrow KCl[s] + O_2[g]$

Potassium Chlorate → Potassium Chloride + Oxygen

4. $Mg[s] + HCl[aq] \rightarrow MgCl_2[aq] + H_2[g]$

Magnesium + Hydrogen Chloride → Magnesium Chloride + Hydrogen

5. $NaCl[aq] + AgNO_3[aq] \rightarrow NaNO_3[aq] + AgCl[s]$
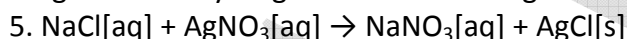
Sodium Chloride + Silver Nitrate → Sodium Nitrate + Silver Chloride

MAKE THE CHEMICAL FORMULAE AND NAME THEM:

(Make it with the help of criss-cross method)

CATIONS AND ANIONS	CO_3^{2-}	NO_3^-	CH_3COO^-	OH^-	Cl^-
Na^+					
Ca^{2+}					
Zn^{2+}					
Mg^{2+}					
Al^{3+}					

Do the following assignments in your holidays' homework notebook.

1. Give an example to explain the terms saprophyte and parasite.
2. Discuss the symbiotic relationship between rhizobium bacteria and leguminous plants.
3. What are the various components of food that are essential for our body called?

4. Discuss about photosynthesis and its raw materials and products.
5. Insectivorous plants are green plants. They prepare their food by photosynthesis but still trap and digest insects. Why?
6. What do you mean by stomata and vessels? Tell their functions also?
7. What are lichens?
8. How are nutrients replenished in soil?
9. Is parasitic plant harmful for the host plant?
10. Given below are jumbled words. Arrange them into meaningful words.
    a. Stomata surrounded by cells
          AUDGR LECSL
    b. Tiny pores on the under surface of leaves.   ASTTAOM
    c. An example of saprotroph   OHUSMRMO
    d. Organisms which fix nitrogen in soil.   BRZUHOIM

WORKSHEET 1
NUTRITION IN ANIMALS

1. Fill in the blanks:
   a) The main steps of digestion in humans are _____, _____, _____, _____ and _____.
   b) The largest gland in the human body is _____.
   c) The stomach releases hydrochloric acid and _____ juice which act on food.
   d) The inner wall of the small intestine has many finger- like outgrowths are called _____.
   e) Amoeba digests its food in the _____.
2. Mark 'T' if the statement is true and 'F' if it is false:-'
   a) Digestion of starch starts in the stomach.   (T/F)
   b) The tongue helps in mixing food with saliva.   (T/F)
   c) The gall bladder temporally stores bile juice.   (T/F)
   d) The ruminants bring back swallowed grass into their mouth and chew it for some time.
                                   (T/F)
3. Tick (√) mark the correct answers in each of the following:
   a) Fat is completely digested in the:-
      • Stomach
      • Small intestine
      • Mouth
      • Large intestine
4. Match the item of column 1 with those given in the column 2:-
   Column 1   Column 2
   Food components   product of digestion
   Carbohydrates   fatty acids and glycerol
   Proteins   sugar
   Fats   amino acids
5. What are villi? What is their location and function?
6. Where is the bile juice produced? Which component of the food does it digests?
7. Name the carbohydrate that can be digested by ruminants but not the human beings. Give reasons also.

VII-7

WORKSHEET 2
ACIDS, BASES AND SALTS

1. While playing in a park a child was stung by a wasp. Some people suggested applying the paste of baking soda while others suggested of lemon juice as remedy. Which remedy do you think is appropriate and why?

2. Match the following:-

a) Tartaric acid	Soap
b) Calcium hydroxide	Curd
c) Formic acid	Unripe mangoes
d) Lactic acid	Ant sting
e) Sodium hydroxide	Lime water

3. Ram was suffering from acidity. Is it advisable to give him orange juice in this situation and why?

4. Three liquids are given to you. One is hydrochloric acid; another is sodium hydroxide and third is a sugar solution. How will you identify them? You have only turmeric indicator.

5. What are indicators? Why do we use it? Give examples.

6. You are provided with three test tubes A, B and C.
   Test tube A contains solution of tartaric acid.
   Test tube B contains soap solution.
   Test tube C contains pure water.
   What will you observe when you put:-
   a) A piece of red litmus paper in each test tube.
   b) A piece of blue litmus paper in each test tube.
   c) A drop of phenolphthalein in each test tube.

7. Classify the following substances into acidic and basic substances:
   Tomato juice, soap solution, tooth paste, lemon juice, vinegar.

8. State differences between acids and bases?

9. What is neutralization reaction? Give one example.

10. Fill in the blanks:-
    a) Bases are _____in taste.
    b) The chemical name of common salt is _____.
    c) When you use a blue litmus paper as an indicator, it gives the colour _____ with acids.
    d) Methyl orange have _____ colour in acidic solution.

11. When soil becomes too basic, plants do not grow when in it .To improve its quality , what must be added to the soil.
    a) Organic matter.   b) Quick lime.

संस्कृत

सुरभि:- पाठ 1 से 3 याद करें|

मणिका व्याकरण : पृष्ठ संख्या 129 से 134 तक अपठित गद्यांश करें|

शब्द रूप : छात्र, लता, किम् , तत, अस्मद् , युष्मद याद करके लिखो।

धातु रूप : पठ्, गम्, दृश,अस् पाँचों लकारों में याद करके लिखो |

संख्यावाचक शब्द : 1 से 50 तक याद करके लिखो।

1 से 4 तक संख्यावाचक शब्द तीनो लिंगों में चित्र सहित प्रदर्शित करें |

पांच फल वृक्षों और पांच दवा वृक्षों के पत्तों का संग्रह करके कापी में चिपकाएं और उनका संस्कृत में नाम लिखें |

PUNJABI

ਪਾਠ ਮਾਲਾ ਕਰੁੰਬਲਾਂ ---ਪਾਠ ਮਾਲਾ 1 ਤੋਂ 6 ਯਾਦ ਕਰਨੇ |

ਵਿਆਕਰਨ ----ਪਾਠ 1 ਤੋਂ 4 ਯਾਦ ਕਰਨੇ |

ਨੋਟ ----ਸਾਰਾ ਕੰਮ ਪੰਜਾਬੀ (ਬੀ) ਦੀ ਕਾਪੀ ਵਿੱਚ ਕਰੋ |

ਲਿਖਤੀ ਕੰਮ ---- ਸ੍ਰੀ ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ , ਪਾਣੀ ਦਾ ਮਹੱਤਵ ਲੇਖ ਲਿਖੋ |

ਪੱਤਰ \ਬਿਨੈ –ਪੱਤਰ-- ਆਪਣੇ ਸਕੂਲ ਦੇ ਮੁੱਖ ਅਧਿਆਪਕ ਨੂੰ ਸੈਕਸ਼ਨ ਬਦਲਣ ਲਈ ਅਰਜ਼ੀ ਲਿਖੋ |

ਆਪਣੇ ਪਿਤਾ ਜੀ ਕੋਲੋਂ ਪੈਸੇ ਮੰਗਵਾਉਣ ਲਈ ਪੱਤਰ ਲਿਖੋ |

ਯੋਜਨਾ ਦਾ ਕੰਮ --- 1) ਪੰਜਾਬ ਦੇ ਪੰਜ ਪ੍ਰਮੁੱਖ ਤਿਉਹਾਰਾਂ ਦੇ ਨਾਂ ਲਿਖੋ ਅਤੇ ਉਸ ਵਿੱਚੋ ਵਿਸਾਖੀ ਦੇ ਤਿਉਹਾਰ ਦੀ ਚਿੱਤਰ ਵਰਣਨ ਰਾਹੀਂ ਇਤਿਹਾਸਕ ਮਹੱਤਤਾ ਦੱਸ ਵਾਕਾਂ ਵਿੱਚ ਦਿਓ |

2) ਚੰਗੇ ਗੁਆਂਢੀ ਦੇ ਵਿੱਚ ਕੀ –ਕੀ ਗੁਣ ਹੋਣੇ ਚਾਹੀਦੇ ਹਨ | ਦਸ ਵਾਕਾਂ ਵਿੱਚ ਦਿਓ |