

Holiday Homework:- Class 8

English

- Write and learn 30 new words along with their meanings and usage.
- Read any one of the following books and write a book review. The book review should include the summary and character-sketch of the protagonist.
 - *Three musketeers- Alexander Dumas
 - *The Count of Monte Cristo- Alexander Dumas
- Write a letter of the Editor of a leading newspaper requesting him to highlight the problems caused due to a non- functional traffic signal near your school leading to traffic jam and congestion.
- Do Unit-2 of BBC-Advance.

Hindi

Do the Holiday Homework for summer vacations in Hindi Homework Notebook.

1. Create two original poems in about 8-10 lines on any two of the given topics.
(i) Bachpan (ii) Garmi (iii) Chuttiyan (iv) Tyohar
2. On the basis of given indicators write in detail on the topic “**Mera Parichay**”.

Indicators: Age, Mother-Father, Friends, Habits, Likes-Dislikes, **Favorite** (Game, Book, Subject, Festival, Food, etc.), Aim of life.

Mathematics

Note:- The following questions have to be done in the Assignment Register

Rational Numbers

Q1. Find the product of

(i) $1\frac{1}{5}$ x $6\frac{2}{3}$

(ii) $\frac{-15}{12}$ x $\frac{-18}{25}$

Q2. Divide

$\frac{-22}{9}$ by $\frac{-77}{51}$

Q3. Find the cost of $35\frac{1}{2}$ litres of milk if each litre costs Rs $28\frac{3}{4}$

Q4. Find 5 rational numbers between $\frac{1}{3}$ and $\frac{1}{2}$

Q5. Divide the sum of $1\frac{1}{9}$ and $-\frac{4}{5}$ by the product of $-\frac{8}{9}$ and $\frac{15}{16}$

Q6. Simplify

a) $(\frac{3}{5} + \frac{6}{7}) \div \frac{-1}{5}$

b) $(\frac{1}{4} \div \frac{2}{5}) \times \frac{3}{7}$

Q7. What must be added to $\frac{13}{24}$ to get $-\frac{4}{7}$

Q8. Evaluate : $(\frac{3}{7} + -\frac{11}{4} + \frac{16}{5} + -\frac{18}{7})$

Q9. Find the reciprocal of

a) $(\frac{4}{3} \times -\frac{7}{5})$ b) $(-3 + \frac{1}{4})$

Q10. Sum of two rational numbers is -7 . If one of the numbers is $-\frac{13}{5}$, find the other.

Squares and Square Roots

Q1. Find the digits in the unit place in the square of the following numbers

a) 4787 b) 1235

Q2. How many numbers lie between squares of the following numbers

a) 107 and 108 b) 37 and 38

Q3. Without adding find the sum of

$$1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19$$

Q4. Write a Pythagorean triplet whose smallest number is 24

Q5. Express the following perfect squares as a sum of 2 consecutive integers

a) 361 b) 841

Q6. Find the square root by prime factorization

a) 4096 b) 1296

Q7. Find the smallest square number divisible by 8, 12, 16, 24

Q8. The Area of a square field is 403225 m^2 . Find the side of the field.

Q9. Find the square root by long division method

a) 4931 b) 3.45 (upto 3 decimal places)

Q10. Find the value of

a) $\sqrt{\frac{243}{1587}}$ b) $\sqrt{338} \times \sqrt{648}$

Science

Answer the following questions

1. Write the name of any two chemical fertilisers..
2. Give any two traditional irrigation methods. Support your answers with diagrams
3. Name a chemical weedicide. Do you think it is safe for the crops?
4. Name the machine used for cutting the matured crop.
5. Define winnowing and how do you think it can be utilized for agriculture.
6. Give two points of differences between Rabi and Kharif crops with one example of each. Think of the names of the harvest festivals associated with each crop.
7. What is crop rotation? Name the bacteria present in root nodules of leguminous plants.
8. Why weeding is necessary? Look for names of some weeds(not mentioned in the book).
9. Do you think irrigation is an important step in growing and managing crop production? Why?
10. What is animal husbandry? Write two food items that we get from animals.
11. Give two advantages of using manure over fertilisers.
12. How loosening of soil is important?(Any two points)
13. What precautions should be taken while storing the crop grains? (At least three)
14. State three points to be kept in mind while sowing seeds.
15. Give two advantages of using modern methods of irrigation.
16. What is electrostatic force? Is it stronger than gravitational force?
17. A force of 120 N is applied to an object of area 3 square metre. Calculate the pressure.
18. a) Arrange the following in decreasing order.
 - i) Static friction ii) Rolling friction iii) Sliding friction
 - b) Name any two activities that are not possible without friction.
19. Why do gymnasts apply a coarse substance on their hands?
20. How do leguminous plants help in maintaining soil fertility?
21. The farmers of a village are celebrating the harvest festival of Baisakhi along with their family. They are dancing and singing traditional songs. Depict this happy scenario with lots of colour
 - a) What is harvesting? Why do farmers celebrate Baisakhi?
 - b) What do we learn from celebrating festivals?
22. Write any three disadvantages of friction.
23. Write an activity to show that liquids exert pressure on the walls of the container.
24. Give an example of each of the following:
 - a) Gravitational force b) Muscular force c) Magnetic force
25. Do fluids exert force of friction? Write the factors on which it depends. Which shape helps the objects to overcome it? Explain with an example.

Social Science

- On a scrapbook write down the "Preamble" of the constitution and define its important of the preamble.
- List down and explain the 6 Fundamental Rights enjoyed by the citizen of our country.

Sanskrit

Do the Holiday Homework for summer vacations in Sanskrit Classwork Notebook.

1. On the given names of **Vyavsaï Purush, Vastra, Rang,** and **Alankar-Prasadhan** on page no. 144-145 of Sanskrit Vyakaran Manika, use 5 names each in Sanskrit Sentences and learn them by heart.
2. Write Dhatu Roop- Gam, Chal, Bhu, Kri and Nam in Lat, Lang, Lrit and Lot Lakar and learn them as well.

Art

Never forget to find time to unleash and exhibit your creativity. Here is some art work to help you do the same. You can take help from YouTube and internet to make it more innovative, attractive and useful.

- Make a poster in your art file on the theme-Friendship with nature
- Best out of waste- Take a two litre plastic water bottle, cut it and make a multipurpose stand for your study table. You can make an animal's face on it.