

## Summer Holiday Homework 2020-2021

### CLASS VIII

#### ENGLISH LANGUAGE:

- Design a poster urging people to follow the safety measures against COVID 19.
- Complete the following dialogues:

Teacher: Where do you come from?  
Student: \_\_\_\_\_.

Teacher: \_\_\_\_\_?  
Student : Sir, he is a farmer having a small income.

Teacher: Besides academics, what else you are interested in?  
Student: \_\_\_\_\_.

Teacher: Have you got any certificate as a proof of it?  
Student : \_\_\_\_\_.

Teacher : You applied for school hostel also; can your parents afford the expenses?  
Student: \_\_\_\_\_.

Teacher: So, take the form from room number five and fill it.  
Student: \_\_\_\_\_?

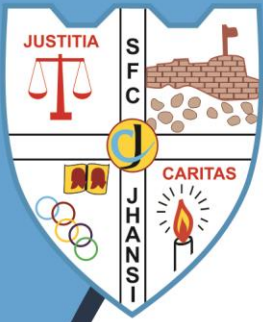
Teacher: You should submit it within one week.  
Student: \_\_\_\_\_?

Teacher: Three students will share the room.  
Student: \_\_\_\_\_?

Teacher : You can talk to them between 7pm and 9 pm.  
Student: \_\_\_\_\_?

Teacher: No, you can apply only for one course.  
Student: Thank you Sir for guiding me.  
Teacher: \_\_\_\_\_.
- 3) Learn Proverbs 1 to 8
- 4) Learn Idioms 1 to 11
- 5) Learn Words(Chapter 27): A to F

#### ENGLISH LITERATURE:



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- Describe Aunt Mabel's visit which remained unpleasant for her. Explain with the help of graphic story and dialogues. (No. of pages 5 to 6 ; do it in your CW note book)
- Learn word meanings and question answers of the chapters taught.
- "Bruno was stuck here in this cold, nasty house, where no one looked as if they could ever be cheerful again." In the light of the above statement, explain in about 150 words the things which Bruno did not like in the new house. (Do in your CW note book)

### HINDI LITERATURE:

- Ls.1 कविता सुख दुःख का सारांश अपनी फेयर नोटबुक में लिखिए।
- वैश्विक महामारी पर एक कोलाज बनाइये।
- Learn Ls. 2, 3 and 4.

### HINDI LANGUAGE:

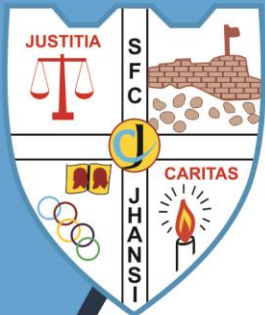
Learn Ls.1, 2, 3 and 6

### MATHS:

( All work to be done in one notebook . Divide the notebook and do both Assignment and project work in the same. No extra creativity required just do the work neatly.)

### ASSIGNMENT

- Solve the following questions :
  - a. Find the additive inverse and multiplicative inverse of the following :
    - i. -40
    - ii. 27
  - b. The sum of two rational numbers is  $-\frac{4}{7}$ . If one of the numbers is  $-\frac{2}{3}$ , find



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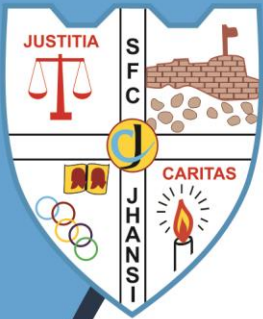
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- the other number.
- c. Divide the sum of  $\frac{1}{4}$  and  $-\frac{2}{3}$  by the difference of  $\frac{4}{3}$  and  $(-\frac{2}{5})$ .
- d. Find four rational numbers between  $\frac{1}{10}$  and  $\frac{7}{10}$ .
- e. After reading  $\frac{7}{12}$  of a book, 30 pages are left unread. How many pages are there in the book?
- f. Express each of the following in standard form :
- i. 218000000      ii. 0.00000654
- g. If  $7^{2x+1} \div 49 = 343$ , find the value of x .
- h. By what number should  $(-4)^{-1}$  be multiplied so that the product becomes  $6^{-1}$  .
- i. Simplify and express the following in positive indices only:
1.  $(4^{-2} \times 4^{-3})^4 \div 6^{-6}$   
2.  $(3^{-1} + 4^{-1}) \div 5^0$
- j. Check the following numbers for perfect cubes. Also find the number whose perfect cube they are :
- i. 4913      ii. 10648      iii. 1331
- k. Find the square root of following :
- i. 38.44      ii. 0.009216      iii. 3721
- l. Find the smallest perfect square divisible by 11, 12 and 26. Also, find the square root of the perfect square.
- m. 3 numbers a,b and c are in the ratio 3:4:5. If  $a^3 + b^3 + c^3 - 3^3 = 4069$ , find the values of a,b and c.
- n. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473 what will be the code for SEARCH ?
- o. Sum of two digit numbers of a two digit number is 9. If the digits are reversed, the new number so formed decrease by 45. Find the number.

### PROJECT WORK :

- Solve the following :
1. Write the names of your family members in coded language . (Assume A=1, B=2 and so on.)



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2. Find out the exact value of the following and represent them as a n exponent of 10:

- i. Height of Mount Everest
- ii. Distance travelled by light in 12 months
- iii. Distance between Moon and Sun
- iv. Average Diameter of Earth.
- v. Total weight of Earth.

- Write about 5 great mathematicians and their contribution in Mathematics.
- Write the squares and cubes of numbers from 1 to 30.
- Write all the properties of Addition , Subtraction, Multiplication and Division of Rational Numbers.

### HISTORY:

Topic:

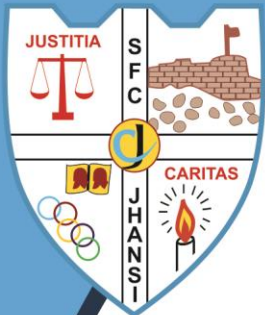
- Mention the contribution of explorers in the Renaissance period.
- Make a table of Date and Event using the timelines of chapters 1 to 5 of History.
- Read the chapters and learn the answers of chapters taught during online classes.

It's the golden time for all to show your extraordinary performance in the school academics this year.

Go grab your time!!

Other details:

- Limit the project to not more than 5 to 6 pages.
- Use class history notebook.
- Avoid decoration and 3D work.
- Can use old magazines for pictures, (not compulsory). Free hand sketching will be welcomed.
- Decorative pens will not add on marks to the project. Its only your choice and availability of resources at your home.
- Neatness will be weighed.



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### GEOGRAPHY:

- Topic – 'Disaster: Pandemic'
- Use a thin notebook.
- Keep the length to maximum 7 to 8 pages.
- Free hand sketching and picture cuttings from newspaper and old magazines can be used.
- Can use pencil colours or crayons.
- Draw the 'conventional signs and symbols' chart given on page 20, in the same notebook.

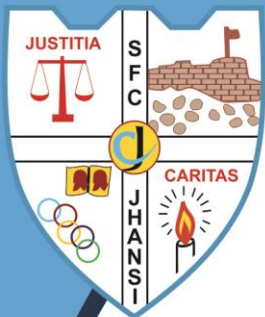
#### **Assignment**

- Learn and revise all the chapters taught till date.
- Practice map work for 'Asia' given on page 96.

Stay home, stay safe

### PHYSICS:

1. Write and learn the definitions of the following terms.
  - a. Conduction
  - b. Convection
  - c. Relative Density
  - d. Moment of Force
  - e. Pascal's Law
2. Draw well labelled diagrams and explain the working of the following devices.
  - a. Relative Density bottle
  - b. Hydrometer
  - c. Manometer
  - d. A simple Mercury Barometer
3. Learn and revise all the work done till date.



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### CHEMISTRY:

Q.1) Write and learn table 3.3 given on page 24 and table 3.6 on page 28.

Q.2) On what principle are the following methods of separation based.

Draw diagrams of each :

- Distillation
- Sublimation
- Filtration
- Separation of immiscible liquids using separation funnel
- Evaporation
- Fractional Distillation
- Chromatography

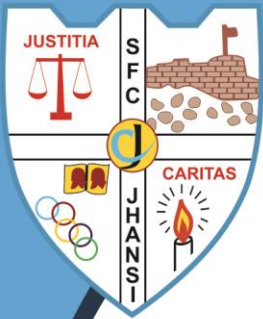
Q.3) Learn table 5.3, 5.5, and 5.6

Above mentioned tables will be helpful for you in other term. So learn them during holidays.

### BIOLOGY:

Q1 Draw well labelled diagrams of the following:

- 1.A root hair(magnified)
- 2.Movement of water along with minerals in plants
- 3.Grafting
- 4.A flower with its internal parts



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5. Micropropagation
6. Pollen tube entering the ovule
7. Human sperm
8. Egg (ova)
9. The female reproductive system
10. A nerve cell

Q2. Differentiate between osmosis, diffusion and Active transport.

Q3. Give any 3 characteristics of root hairs.

Q4. Give the names of any two micro nutrients and give their role in the plant.

Note: Learn all the chapters taught and complete the Question and Answers in your notebook.

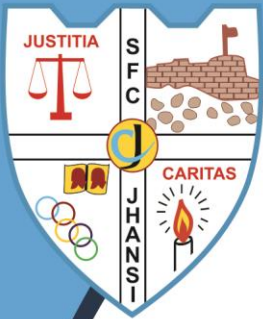
### COMPUTER:

( All the work to be done in one notebook .Divide the notebook in two parts and do both assignment and project in the same. No extra creativity is required just do the work neatly. Learn all the chapters taught.)

### ASSIGNMENT

Answer the following questions :

1. Define Operating System .
2. Explain the types of Operating System .
3. Write and explain all the features of an operating system.



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4. Describe the advantages of flowchart.
5. Differentiate between Algorithm and Flowchart.
6. Write and explain the characteristics of an Algorithm.
7. Explain the types of user interfaces.
8. Write the features of a Flowchart.

### PROJECT

- Write about last three latest versions of Windows and their features.
- Draw and write the functions of symbols used in Flowchart.
- Write an Algorithm and draw a flowchart for the following :
  - a. To input two numbers and print their sum, difference and product.
  - b. To assign three numbers and print their average.
  - c. To input three numbers and print smallest of them.
  - d. To cook Maggi.
  - e. To go to school.
  - f. To input name and age of a person and print “ Eligible “ if age  $\geq 18$  else print “ Not Eligible” along with the name.
  - g. To input side of a square and print its area.
  - h. To prepare Tea.
  - i. To input a year and check whether it is leap year or not.(A year is leap year if  $\text{year} \% 400 == 0$ )
  - j. To brush your teeth.