



# District Public School & College Kasur

## Home Task 2020 for class 8<sup>th</sup>

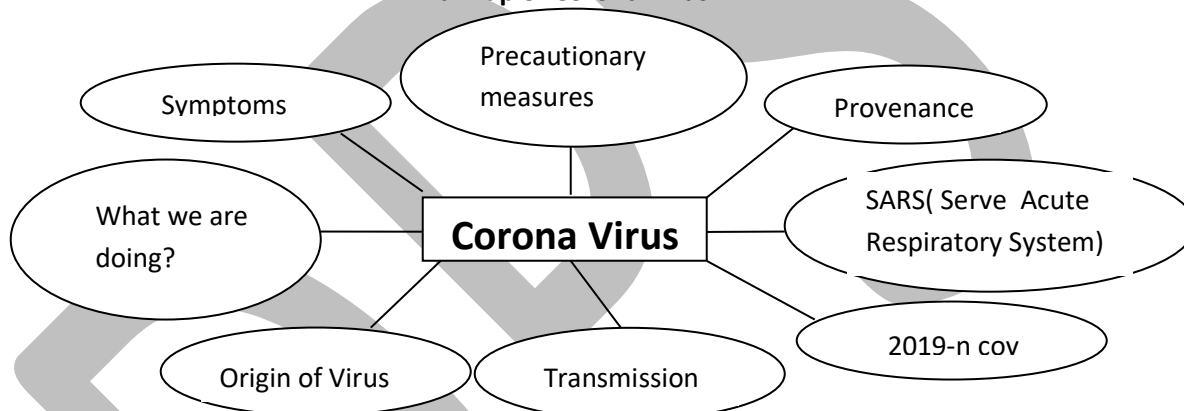
### S.St

- Unit no 1, 2, 11, 12.
- Reading +write meanings of difficult words (any 15) from each chapter. Write info (given in boxes) of each chapter.
- Read about any two Muslim Leaders who contributed for the independence of Pakistan. Paste pictures and make a fact file about them, and also write why you have selected those personalities.
- Write down which country would you like to visit during your lifetime. Gather some information about the country of your choice before you begin.

### G.Science

- Read unit # 2, 3, 4, 6, 7
- Draw and Label the diagrams.  
(a)The endocrine system. (b) Motor nerve cell (c) Digester  
(d) Genetic Engineering + Exercise diagram.
- Make a model of lungs to show the process of breathing (by using balloons and bottle).
- Write a comprehensive note on Corona Virus.

#### Mind map of Corona Virus



### Computer

- Reading: Ch# 1,2,4
- Assignment Topics:
  1. Explain network and it's types.
  2. Write a note, what you know about computer security threats also write down the names of different types of security threats.
  3. Search some widely used antivirus software and write their names.
  4. Define a flowchart and identify the standard flowchart symbols.  
(start , input/output, processing, flowlines and decision symbols)+ worksheets of ch# 1,2,4)

### English

- Read ch. No 1.2.4 and poem of ch. 2 thoroughly. Learn and write the words to know of these chapters.
- Word bank! Write 5 words starting with each alphabet from A to Z in your notebook and memorize these words to increase your vocabulary.
- Write 15 lines on the following topics. My favorite game. My favorite book. My Hobby.
- Translation. Make 10 sentences of each present tense.
- Change the voice! Make 10 sentences of present and past tenses.
- Narration! Make 10 sentences of simple present and past tenses.
- Comprehension! Choose a paragraph from any book and make 5 questions from that paragraph and answer those questions.+ **Learn the given notes of English B.**



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### Mathematics

Learn and write all the definitions, and solve all questions that you have already practiced in your previous class.

**Definitions:** Set, Subset, Proper subset, Improper subset, Power set, commutative property of union of sets, commutative property of intersection of sets, Distributed property of union over intersection, Distributed property of intersection union over, De Morgan's Law, Exponent, surd, mean, Median, Mode.

**Solve the following conceptual based Questions on your note books:**

1. If  $\frac{\sqrt{x}}{2} = 2\sqrt{2}$ , What is the value of x?
2. Simplify  $\frac{a(a-b)-b(a-b)}{a-b}$
3. Simplify  $(x^2)^4 / (x^3)^2$
4. Multiply  $x^2+3x-5$  by  $x-2$
5. What is the value of  $2^3 \times 2^2 \times 3^3 \times 3^2$
6. If  $A = \{2,4,6,8,10\}$ ,  $B = \{3,6,9,11,15\}$  and  $C = \{5,10,15,20\}$ , then prove that associative property of intersection of sets.
7. if  $\sqrt{x}+22 = 39$ , What is the value of x?
8. If  $A = \{1,3,5,7,9\}$ ,  $B = \{2,4,6,8,10\}$  and  $C = \{3,6,12,18,21\}$ , then prove the commutative property of intersection of sets?
9. What is the intersection of two sets A and B if A is a set consisting of the first 10 positive even numbers and B is a Set consisting the first 10 positive odd numbers?
10. If  $U = \{1,2,3,4,5,6,7\}$ ,  $A = \{12,5,7\}$ ,  $B = \{1,3,6,7\}$  find  $A' \cup B'$
11. Simplify  $\sqrt{\frac{1}{4} + \frac{4}{9}} = ?$
12. If  $A + 12 = 102$ ,  $B/16 = 3$  and  $A+B = C$ , so What is C ?
13. Simplify  $(2 + \frac{3}{8}) + (\frac{2}{3} - \frac{1}{6}) = ?$
14. Simplify  $\frac{1^1 + 2^2 + 3^3 + 4^4}{1 \quad 2 \quad 3 \quad 4}$
15. The length of a certain rectangle is 4 times the width. if the area of the rectangle is  $256\text{cm}^2$ , What is the length of a rectangle?
16. What is the volume of Aquarium having length 20cm, breadth 60cm and height 20cm? give answer in  $\text{m}^3$
17. What is the diameter of a circle with a circumference of 5cm?
18. Simplify  $\frac{9x-15}{6x-10}$
19. If  $a = 0.3$  and  $b = 0.5$  then find  $\frac{1}{a} + \frac{1}{b}$
20. Find the square of  $3x+2$
21. Ali has a stick, which is 27cm long. He measures one side of his school and finds it 40 sticks long. What is the length of his school in meters?
22. Distribute Rs.1350/- among Ahmad, Frhan and Kashif in the ratio 4:3:2 respectively. How much more will Farhan take than Kashif?
23. Resolve into factors  $x^2-(a+b)x + ab$
24. Simplify  $\frac{24^{-1} \times (2^0)^4}{48^{-1}}$
25. Using formula solve  $(\frac{1}{x} - x)$

