

HERITAGE CHILDREN ACDEMY

(Senior Secondary School Affiliated to CBSE, New Delhi) NH-24, JALIF NAGLA TEH. MILAK DISTT. RAMPUR (U.P)

HOLIDAY HOMEWORK CLASS :- IX

Let's Pen The Pandemic: Covid - 19

"Start where you are. Use what you have. Do what you can."

GENERAL INSTRUCTIONS TO BE FOLLOWED WHILE DOING HOLIDAY HOMEWORK:

- It is compulsory to attempt each subject.
- Summer vacations are going to be started from June 10 to 25,
 2020.
- Submit your assignments to Subject teachers as the school reopens.
- Holiday homework should be done as per the given instructions
- Label properly the name, class roll no and subject.
- The work will be assessed for the neat handwriting,
 presentation, creativity and submission of the work on time.

ENGLISH

- Q1. Read the book Wings of Fire by A.P.J.ABDUL Kalam and write a book review for the same. Make sure you include your personal response to the review. Also make a creative book jacket and put the review in it. Do not replicate the original cover of the book.
- Q2. Collect any five news item on the given issues. Paste them in a scrape book /notebook and comment on any two in 120 -150 words. The given roll numbers will work on the following topics.
- Environmental Issues (roll no.1-15)
- ■Technological Developments (roll no. 16 -30)
- Women Centric Issues (roll no. 31 and above)

हिंदी

रचनात्मक कार्य (एक्टिविटी कोरॉना शब्दावली)

- प्रश्न दिए गए कॉरोना से संबंधित शब्दों के अर्थों को जानिए तथा शब्दों व उनके अर्थों को लिखकर चित्रों के माध्यम से एक फाइल तैयार कीजिए।
- 1 virus विषाणु
- 2- novel नया
- 3 infection- संक्रमण
- 4 droplets ब्रे
- 5 contagious- संक्रामक
- 6 outbreak प्रकोप
- 7 screening जांच
- 8- symptoms लक्षण
- 9- patient zero सबसे पहला बीमार व्यक्ति
- 10- diagnose निदान
- 11- contact tracing संक्रमित व्यक्ति किस किस के संपर्क में आया
- 12- epidemic महामारी
- 13- pandemic सर्वव्यापी महामारी
- 14- fomit संक्रमित वस्तुएं
- 15- quarantine संग्रोथ
- 16- isolation एकांत
- 17- social distance सामाजिक दूरी
- 18- community spread पूरे समुदाय में रोग का फैलना
- 19- sanitizer प्रक्षालक
- 20- PPE (personal protective equipments) बीमारी से बचने के लिए डॉक्टर द्वारा प्रयोग की जाने वाली वस्तुएं।

MATHEMATICS

8.1	Find a rational number lying between
0.2	when 15 Jis is divided by 3 Jis, then find the quotient.
0.3	Express 0.57 in the form b/g, where p and q
0.4	are untegers and a to. 41 x2+ kx + 6 = (x+2) (x+3) for all x, then
0.5	what is the remainder when x3-2x2+x+1 is divided by (x-1)?
0.6	9/ x2+1 = 38, then find the value of (x-1).
Q7	Factorise: x2+353x.+6.
B-8	\$\frac{4}{p(x)} = \angle ax^3 + \frac{1}{x^2 + x + 4} . find the value of a.
3.2	If $x = 3+2\sqrt{2}$, theck whether $(x+1)$ is rational or irrational.

<u>\$10</u>	Simplify:-
(i)	$2\sqrt{50} + 3\sqrt{32} + 4\sqrt{18}$ (ii) $\left(\frac{15}{9}\right)^{-6}$
0-11	Prove that 1 + 2 + 1 = 0 2+13 V5-13 2-15
8.12	Locate J4.7 on the number line.
2-13	4/ 0=2, b=3 then find the values of the fallowing:
Ċ	$(a^b + b^a)^{-1}$ (ii) $(a^a + b^b)^{-1}$
0.14	Factorise: x3 + 6x2+11x+6.
015	Evaluate the following products without multiplying directly:-
(j)	103 × 107 (ii) 104 × 96.
0.16	If both (x-2) and (x-1) are factors of
	bx2+5x+31, show that b=1.

OIF Verify that: - $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x+y+z)[(x-y)^2 + (y-z)^2 + (z-x)^2]$ OB Without actually finding the subset find the values of

(i) $(30)^3 + (20)^3 - (50)^3$ (ii) $(-8)^3 + (-7)^3 + (15)^3$.

OB Prove that: - $\begin{pmatrix} \chi^9 & \text{ab} \\ \chi^6 \end{pmatrix} = \begin{pmatrix} \chi^6 & \text{bc} \\ \chi^c \end{pmatrix} = \begin{pmatrix} \chi^6 & \text{ca} \\ \chi^6 \end{pmatrix} = 1$ Or Express 0.6 + 0.7 + 0.47 in the form of

P/q, where p and q are integers and q to.

PHYSICS

- 1. Derive the equations of motion by graphical method.
- 2. What is the difference between speed and velocity?
- 3. A car accelerates uniformly from 18 kilometre per hour to 36 kilometre per hour in 5 seconds calculate the acceleration and distance covered by the car in that time.
- 4. The brakes applied to a car produce an acceleration of 6 metre per second square in the opposite direction to the motion. if the car takes 2 second to stop after the application of brakes calculate the distance it travels during this time.
- 5. What does the path of an object look like when it is in uniform motion?
- 6. If action is always equal to the reaction explain how a horse can pull a cart.
- 7.explain why is it difficult for a Fireman to hold hose ,which is act large amount of water at a high velocity.
- 8. Why is it advised to tie any luggage kept on the roof of a bus with a rope?

9.from a rifle of mass 4 kilogram a bullet of mass 50 gram is fired with an initial velocity of 30 metre per second calculate the initial recoil velocity of the rifle.

10.an object experiences a net zero external unbalanced force is it possible for the object to be travelling with a non zero velocity? if yes, state the conditions that must be placed on the magnitude and direction of the velocity. if no provide a reason.

CHEMISTRY

	V
1-	Convert the following temperatures to kelvin scale: (a) 40°C (b) \$25°C
2	Convert Me July mange of state?
	Kohin scala: following temperatures to
	(a) Haic (1) ~ 2 - 10
100	343 (
2^	Convert the following temperatures to celcius scale:
	Celceus scale:
	(b) 3/0 K
4-	White the characteristics of liquids.
5-	Why does evaporation cause cooling.
6	Victore latent hast of interes
7-	why are solids closely packed? Why do wet clothes dry earlier in symmer?
0	wing are sources closely packed?
_0 -	why do wet clothes dry earlier
_	in symmer ?
9-	What is the difference between
	evaporation and bailing ?
10-	Classify the following as solids liquid
	What is the difference between evaporation and bailing? Classify the following as solids, liquid and gases!
	and gases! Chraphite, milk, oxygen, pedol, chlorine
	Confidence of the state of the

Chapter- 02 (Is Matter Around alrete three constituents of mills Cine one example to show that the Constituents of a mixture be separated by physical method. What is meant by concentration Solution ! Write the properties of suspension. A solution contains 20 gm of a solute in 200 gm of water. What is the concentration of solution? 6- What is an element ? examples. What is Tyndell effect Name the process that can for the separation of Gream from milk what is the size of particles in a true solution 1 what type of element is antimony;

BIOLOGY

1-COVID-19 Lockdown -A makeover for 'Mother N	ature' 5
(Collect information and write how the corona virus pa	ndemic is affecting
the carbon-di-oxide emission,how the rivers are much	clear now,how
ozone layer is healing ,how the animals are roaming fre	ely on the streets,
how the nature is healing during the lockdown).	
Support your views by pasting pictures.	
2-Write various ways to boost your immune system an	d three points on 5
about how will you protect yourself from corona virus.	
about how will you protect yourself from corona virus.	
about how will you protect yourself from corona virus. *Learning outcome-	
	its of
*Learning outcome-	

SOCIAL SCIENCE

Dear Class IX Students as you all know that this year you will have to develope a Project Report in Social Science and your topic is 'DISASTER MANAGEMENT' (prescribed by CBSE) your report will be of maximum 10pages we are also sending you one video related to your project for your assistance. Kindly go through the video before commencing your project and you can also go through the books , News paper, Magazine. or any relevant sources which you find the best way of collecting information .So make your project attractive and impressive.

9 Class SST project

https://youtu.be/_iXMQRN5LvY

Work out

Students will take two bowls and hang them in the balcony of their house. Everyday.

They need to fill them with grains and water respectively to feed the birds.

Note: This activity will help the students to connect to the nature and they will develop a sense of compassion. Visual and Performing Arts



DP