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HOLIDAY HOMEWORK (SUMMER VACATION)

CLASS IX

2020-2021

SUBJECT: HINDI

कक्षा मे पढाए गए समस्त पाठो एवं व्याकरण भाग की आवृत्ति।

किन्ही दो विषयों पर संवाद– लेखन लिखिए

1 –लाकडाउन के कारण सावधानी बरतने हेतु सरकार के पृयत्न के संदर्भ में दो मित्रों की बातचीत लिखिए।

2 –वर्तमान समय में आनलाइन कक्षा की उपयोगिता पर चर्चा करते हुए दो अभिभावकों के बीच संवाद लेखन करें।

3- लघुकथा लिखे-

(1)किसी ऐसी घटना या क्षण को जो आपके लिए यादगार बन गई हो लघुकथा के रुप मे लिखिए।

(2)अपनी पाठ्य पुस्तक से कोई एक कविता सस्वर पाठ करते हुए अपना **Video** बनाइए। समयावधि—डेढ़ मिनट।

SUBJECT- ENGLISH

Learn the Question and Answers of the following lessons:-

Beehive :

The Fun They Had

The Road not Taken (poem)

Moments :

The Lost Child

Grammar:-

Tenses- Revise the rules of Tenses and write one- one example of each sub category of all three tenses in Assignment notebook.

Writing Skills

Write a letter to your friend in 100-150 words advising him/her to follow the lock down and stay at home.

Make a video on any one of the topics given below:-

Instructions to be followed-

*Video should be of 1 minute duration.

* You will speak only on the topic given.

* Keep the video safely as you have to send it to the teachers in July.

TOPICS FOR ONE MINUTE SPEECH

1. Importance of a balanced diet

2. How to increase our immunity

3. Social distancing

4. The best time I have ever had

5. My Ideal person

6. What I think about social media

7. My favourite sport

8. Why being different is OK.

SUBJECT: MATHEMATICS

1. Solve the following equation. If –

   $$x^2 + \frac{1}{x^2} = 51$$

   Find x.

2. Find the value of $a^3 + b^3 + 6ab - 8$ when $a + b = 2$.

3. Factorize $x^4 + 4x^3 - x^2 - 16x - 12$.

4. Show that $\frac{x^{a(b-c)}}{x^{b(a-c)}} \div \left(\frac{x^b}{x^a}\right)^c = 1$.

5. If $x = 1 + 2^{1/3} + 2^{2/3}$ show that $x^3 - 3x^2 - 3x - 1 = 0$.

6. If $a = \frac{3+\sqrt{7}}{2}$, then find the value of $a^2 + \frac{1}{a^2}$.

Revise all the chapters done i.e. real numbers, polynomials and lines and angles.

Activity-

1. Represent√11 on number line by the spiral representation and verify by Pythagoras theorem.

2. Construct √4.2 on the number line and show the verification also.

3. Visualise 3.765 on the number line using successive magnification.

SUBJECT: HISTORY/CIVICS

❖ Read the chapters : French Revolution, What is democracy, Why democracy, Constitutional Design
❖ Complete the questions given for assignment in your assignment copy.
❖ Go through all the sources of the Chapter French Revolution.

SUBJECT: GEOGRAPHY

Prepare power point presentation or video or animated video or with the help of drawings and sketch on the given topic or activity. (Select any one topic)

1. Family disaster planning ---
Emphasize the small steps that the families and the individuals can take to make themselves, their household and community safer from hazard impacts.
2. Risk Reduction Action Planning—Mind map
*Who & How?
*What? (Unsafe conditions)
*Why {Causes}?
3. Safety Skills & Rules------
To learn and practice standard operational procedures [safety skills] for building and area evacuation shelter-in-place. Safe assembly, lockdown and safe family reunification and to understand and remember safety rules for earthquake, tsunami, fire safety, flood safety & storm-safety.
:-Learn and read the lessons {geo-chap-1,eco-chap-1}again.
:-Practice the maps of lesson-1 Geography.
:-Watch the videos sent to you related to the subject and various topics for better understanding of the concepts.

SUBJECT: PHYSICS

❖ Read the topics taught during Zoom classes and prepare them well.
❖ Select 20 questions from some other source on the first and the second chapter and solve it in your class work copy. Write down the questions as well.

- ❖ Read the chapter of Gravitation from S.Chand. Note down 5 important points in your class work copy.

SUBJECT: BIO/CHEM

1. a) Prepare an Educational video on the given topics or activity.
Videos should be prepared in school uniforms with the identity card.
   (Select any one topic or activity.)

OR

 b) Prepare a MS PowerPoint presentation on the given topics or activity. *(Select any one topic or activity.)*

OR

 c) Prepare a Quiz with hidden answers on MS PowerPoint using multiple-choice questions from given chapters. *(5 questions from each chapter.)*

NAME OF THE CHAPTERS:
Matter in our surroundings.
Is matter around us pure?
Improvement in food resources.

Topics or Activities:-
(Select any one)
i) Particles of matter have spaces between them.
ii) To show the different compressibility of solids, liquids, and gases.
iii) Effect of temperature change on states of matter.
iv) Difference between solutions, suspensions, and colloids.
v) Separating a solid from its solution.
vi) Separating an insoluble solid from a liquid.
vii) Manure and fertilizers.
viii) Poultry farming and fish farming.
ix) Bee-keeping and honey production.
x) Weeds, insects, and pests control.

2. Biology & Chemistry Practical in separate lab notebooks.
   - ❖ Biology - To prepare a temporary mount of onion peel and record observations and draw labeled diagrams.
   - ❖ Chemistry - To prepare true solutions of common salt, sugar and alum respectively in water. To prepare suspension of soil, chalk powder and fine sand separately in water.

SUBJECT: IT

Note: All the work you have to complete in your Practical File/File paper.

- ❖ Draw a block diagram of CPU and explain.

❖ Draw and explain any three Input, Output and Storage devices.

❖ How Search engine works? Explain with the help of diagram.

❖ Explain the following :
   (a) Internet
   (b) WWW
   (c) E-mail
   (d) Blog