



**Let's Pen The Pandemic: Covid-19**

**"A dream doesn't become reality through magic. It takes determination and hard work."**

**General instructions:**

- Revise the lessons done in all subjects.
- Complete the given Activity work on A4 size sheets, subject wise and keep it in a folder. Remember to write your name and class.

**Hindi Core**

1. महादेवी वर्मा और हरिवंशराय बच्चनका जीवन परिचय पर लिखे?
2. भक्तिन और बाजर दर्शन पाठ का सारांश लिखे।
3. निबंध लिखे।
  - a. विद्यालय का वार्षिक उत्सव
  - b. भारत गांवो का देश
  - c. मेरी अविस्मरणीय यात्रा
  - d. महानगरीय जीवन
4. प्रश्न: नगर निगम के स्वास्थ्य अधिकारी को मोहल्ले की सफाई के विषय में पत्र लिखिए।
5. प्रश्न: नगर निगम के कार्यालय में सहायक पद के लिए एक आवेदन पत्र लिखिए।
- 6 आलेख लिखे
  - क. बाल मजदूरी
  - ख. कोरोना एक महामारी
7. फीचर लिखे
  - क. योग दिवस

**Maths**

1. To make Activity 1 & 7.
2. To solve and revise all questions of differential for test.

**Chemistry**

**Answer the Following Questions:-**

**Q.1** For an elementary reaction  $2A \rightarrow B + 3C$  the rate of appearance of C at time 4' is  $1.3 \times 10^{-4} \text{ mol l}^{-1} \text{ S}^{-1}$  calculate at this time.

**(i)** Rate of the reaction

**(ii)** Rate of disappearance of A

**Q.2** Predict if the reaction between the following is feasible:-

**(i)**  $\text{Fe}^{3+}$  (aq) and  $\text{I}^-$  (aq)

**(ii)**  $\text{Ag}^+$  (aq) and  $\text{C}_4$

**(iii)**  $\text{Fe}^{3+}$  and  $\text{Br}^-$  (aq)

**(iv)**  $\text{Ag(s)}$  and  $\text{Fe}^{3+}$  (aq)

**(v)**  $\text{Br}_2$  (aq) and  $\text{Fe}^{2+}$  (aq)

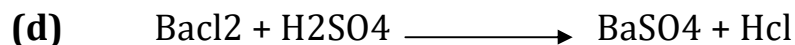
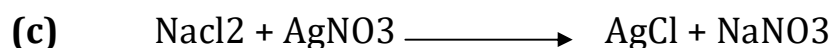
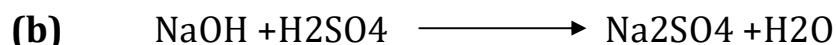
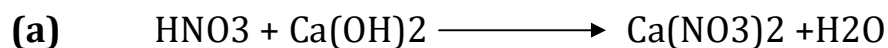
**Q.3** How much electricity in terms of Faraday is required to produce.

(i) 20.0g of Ca from molten  $\text{CaCl}_2$

(ii) 40.0g of Al from molten  $\text{Al}_2\text{O}_3$

**4** Calculate the mass percentage of benzene ( $\text{C}_6\text{H}_6$ ) and Carbon tetrachloride ( $\text{CCl}_4$ ) if 22g of benzene is dissolved in 122g of Carbon tetrachloride.

**Q.4** Balance the following chemical equations:-



**Q.5** Why is respiration considered as an exothermic reaction? Explain.

**Q.6** Why should curd and sour substances not be kept in brass and copper vessels.

**Q.7** Metal compound 'a' reacts with dilute hydrochloric acid to produce effervescence. The gas evolved extinguishes a burning candle. Write a balanced chemical equation for the reaction if one of the compounds formed is calcium chloride.

**NOTE: FOR ANY QUERY CONSULT YOUR SUBJECT TEACHER'S**

\*\*\*\*\*