

**ENGLISH**

Note:

- ❖ Do your assignment in good handwriting in your practice notebook.
- ❖ Submit your work on the very first day of restarting of your classes.

**1. *The words of a book are stepping stones which take us to an illuminated world full with jewels of knowledge.***

Read any book of your interest of the following authors and write about any two characters you liked the most:

- a. **Ruskin Bond** (Great Stories for Children/The Ruskin Bond Children's Omnibus)
  - b. **R.K. Narayana** (Swami and his friends/The English Teacher/ Malgudi School Days/ Malgudi Adventures: Classic Tales for Children)
  - c. **Sigrun Srivastava** (The Mystery of Bulabai Mansion/ My Garden/ A Moment of Truth/ Family Circus/ The Warning)
  - d. **Langston Hughes** (Popo and Fifina: Children of Haiti/ That's My Dream! /Not Without Laughter / Short Stories)
2. Grow a plant in your courtyard or in a pot. Write the procedure of planting it. Also paste your pic with the plant or draw a pic of the plant along with.
3. Make an object out of waste. Write the description of the object made by you in your notebook in about 100 words.
4. ***Your writing is something that you develop and is your way of presenting yourself. So, keep writing until your handwriting becomes presentable.***

Write 1 page daily that show the improvement in your handwriting.





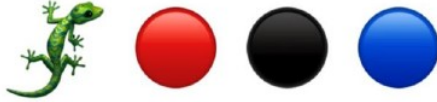


5. Read all the chapters of literature covered in online classes and learn Q/Ans based on these chapters.
6. Complete all the work done till date.

# HINDI

## विषय-हिन्दी

1. अभ्यास सागर के पृष्ठ 55 पर बच्चों को दीपावली पर पटाखे न जलाने का संदेश देते हुए एक आकर्षक पोस्टर बनाइए। (अ. सा. पुस्तक में)
2. भाषायी शुद्धता और प्रभावशाली प्रस्तुति का विशेष ध्यान रखते हुए पर्यायवाची शब्दों पर आधारित एक आकर्षक प्रोजेक्ट ( मनपसंद आकृति में ) बनाइए। जिसमें थर्माकोल का प्रयोग न हो।
3. 'फेसबुक का बढ़ता प्रचलन' विषय पर लगभग 100-150 शब्दों में अनुच्छेद लिखिए। (व्याकरण कॉपी में)
4. चित्र देखकर मुहावरे लिखिए। (प्रिंट निकाल कर उसी पृष्ठ पर करें)
5. ज्ञान सागर तथा अभ्यास सागर का करवाया गया कार्य याद कीजिए।

निम्नलिखित चित्रों को देखकर मुहावरे लिखिए-

क्रम संख्या	चित्र	मुहावरा
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

## MATHS

1. Draw a symmetric rangoli pattern using Mathematical shapes and symbols on A4 size chart paper.
2. Draw a designer outfit using Mathematical shapes and symbols on A4 size chart paper.
3. Prepare Chapter 1 & 2 for Unit Test.
4. Do Assignment in practice copy.

## ASSIGNMENT

### Unit -1. Rational Numbers

### Unit-2. Operations on Rational Numbers

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1. Write three rational numbers equivalent to  $5/7$ .
2. When do two Rational numbers  $\frac{p}{q}$  and  $\frac{r}{s}$  are said to be equivalent
3. What is the standard form of  $\frac{-33}{-77}$  ?
4. What is the absolute value of  $\frac{1}{-8}$  ?
5. If  $\frac{-6}{7}$  is subtracted from 0 then we get
6. Represent  $\frac{-1}{7}$  and  $\frac{2}{7}$  on the number line.
7. Compare  $\frac{-4}{9}$  and  $\frac{-3}{7}$ .
8. Evaluate  $\frac{-2}{5} \times \frac{3}{4} + \frac{1}{25} \times \frac{1}{2} - \frac{2}{10} \times \frac{1}{5}$ .
9. Find the product of  $\frac{16}{-5} \times \frac{3}{8} \times \frac{10}{3}$ .
10. Find the quotient of  $\frac{12}{-13} \div \frac{1}{26}$ .
11. Simplify  $2\frac{1}{5}\left(\frac{2}{14} + 1\frac{1}{7}\right)$ . Check Associative property.
12. Simplify  $\left(\frac{8}{5} \times \frac{-3}{2}\right) + \left(\frac{+3}{10} \times \frac{11}{8}\right)$ .
13. Simplify  $2\frac{3}{4} - \frac{5}{8} + \frac{-5}{12} + 1\frac{1}{6}$
14. What should be added to  $\left(\frac{1}{3} + \frac{1}{4} + \frac{1}{5}\right)$  to get 4?

15. What should be added to  $\frac{-5}{8}$  to get  $\frac{5}{9}$ ?
16. Two packets of chocolate weight  $\frac{9}{4}$  Kg and  $\frac{10}{7}$  Kg. What is the total weight of chocolates?
17. If 35 shirts of equal size can be stitched from  $\frac{49}{2}$  meters of cloth, what is the length of cloth required for each shirt?
18. Divide the sum of  $\frac{12}{5}$  and  $\frac{13}{7}$  by the product of  $\frac{-4}{7}$  and  $\frac{-1}{2}$ .
19. Raavi spent  $\frac{3}{4}$  of her pocket money. She spends  $\frac{1}{2}$  of it on a book,  $\frac{1}{6}$  on a movie and rest for a dress. What part of her pocket money did she spend on the dress?
20. Find the absolute value of  $\frac{-3}{5} + \frac{5}{4} + \frac{-7}{20} - 2\frac{1}{3}$
21. Represent  $\frac{-5}{4}, \frac{-2}{4}, \frac{2}{4}, \frac{3}{4}, \frac{5}{4}$  on a number line.
22. Subtract  $\frac{-6}{21}$  from  $\frac{5}{63}$ . Does commutative property holds here.
23. Find the absolute value of  $\frac{-3}{8} \times \frac{7}{13}$  also find the reciprocal of your answer and express it in standard form.
24. A train goes 80 km in one hour. How much distance will it cover in 45 minutes?
25. Insert 9 rational numbers between  $-\frac{2}{5}$  and  $\frac{1}{5}$ .

## SCIENCE

Activities for summer break:

### **1. Role play**(Ch- Nutrition in living organisms – Animals and Man )

Rubrics(10 marks) : Matter(3) + Confidence (2)+Presentation (2) + prop usage(2) +punctuality (1)

### **2. Card making**(Ch- Acids, Bases and Salts)

Rubrics(10 marks):

Card (2) + Creativity (3)+ Presentation (3)+ punctuality (2)

Make card using turmeric and soap solution

### **3.To collect fabrics:**

To collect fabrics made from plants and animal fibre paste them in science notebook.

(Take help from Ch- Fabric from fibre)

#### 4. Revise Chapter-1,2,3 and 4

#### 5. Complete the attached Assignment-2

#### Chapters-

- (i) Le - 3 (Chemical substances and processes)
- (ii) Le - 4 (Acids, Bases and Salts)

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#### Ch-3 (Chemical substances and processes)

Q.1 Define the following terms:

- (a) Atoms (b) Molecules (c) Pure substances (d) compound (d) Mixture

Q.2 What are ions? Write any two positive and negative ions.

Q.3 State the main differences between mixtures and compounds.

Q.4 What is balanced chemical equation? Write the rule of writing balanced chemical equation.

Q.5 What happens when iron nails are added to blue coloured copper sulphate solution? Give

reason. Also give the chemical reaction involved.

Q.6 Name the elements and number of atoms of each element present in the following compounds

(i) Baking Soda ( $\text{NaHCO}_3$ ) (ii) Sodium Carbonate ( $\text{Na}_2\text{CO}_3$ ) (iii) Copper Sulphate ( $\text{CuSO}_4$ )

(iv) Nitric acid ( $\text{HNO}_3$ ) (v) Sulphuric acid ( $\text{H}_2\text{SO}_4$ ).

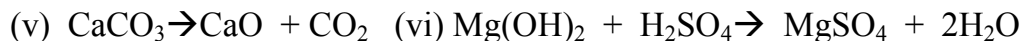
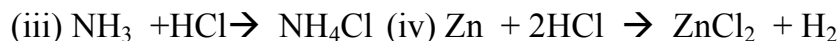
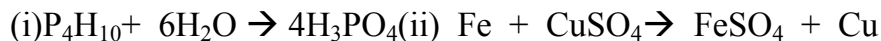
Q.7 Write the chemical formula of the following:-

(i) Magnesium sulphate (ii) Sodium acetate (iii) Potassium phosphate (iv) Calcium hydroxide (v) Ammonium phosphate (vi) Silver nitrate (vii) Copper carbonate

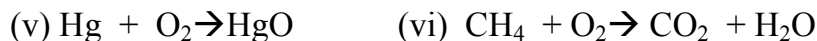
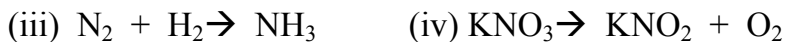
(viii) Magnesium chloride (ix) Aluminium oxide (x) Sodium nitrate (xi) Aluminium nitrate (xii) Zinc acetate

Q.8 'Pure water is a compound while sea water is a mixture. Give reason.

**Q.9** Classify the following reactions into different types and give reason also:-



**Q.10** Balance the following chemical equations:- (i)  $Zn + O_2 \rightarrow ZnO$  (ii)  $Na + Cl_2 \rightarrow NaCl$



**Q.11** Classify the following as element , compound or a mixture :-

Carbon , Magnesium oxide , Gold , nitrogen , Potassium permanganate , Seawater , Blood ,

Common salt , Carbon dioxide , Sand , Lemonade , Sodium , Milk , Marble , Iron , Sugar,

Hydrogen .

**Q.12** Define the terms- Combination reaction, Displacement reaction, Neutralisation reaction with

examples.

#### **Ch- 4 (Acid Bases and Salts.)**

**Q.1** What are indicators? Name some common indicators.

**Q.2** Two liquids are given. One is hydrochloric acid and another is sodium hydroxide. How will you identify them? You have only china rose extract..

**Q.3** What do you mean by antacids? Give examples.

**Q.4** Why are acids not stored in metal containers? Which containers are used for storing acids?

**Q.5** Salts do not conduct electricity in their solid state. Justify the statement.

**Q.6** What is the colour of litmus in lemon juice?

**Q.7** Which acid is known as king of chemicals and why?

**Q.8** Rita is trying to wash turmeric stain on her cloth with soap, she noticed the stain colour changed to

red. Give reason for the change in colour.

Q.9 Ammonia is found in many of the household products, such as window cleaners. It turns red litmus blue. What is its nature? Name any two other substances with same nature.

Q.10 A solution of sulphuric acid is completely neutralized with a solution of magnesium hydroxide. Write the equation for this neutralization reaction. Write the name of the salt formed in this reaction.

Q.11 Explain why:

- An antacid tablet is taken when you suffer from acidity.
- Factory waste is neutralized before disposing it into the water bodies.
- Calamine solution is applied on the skin when ant bites.

Q.12 What will you observe when:

- drop of sodium hydroxide is added to blue litmus.
- a drop of potassium acetate is added to red litmus solution.
- a drop of zinc sulphate is added to blue litmus.

Q.13 Classify the following salts as neutral, acidic, or basic salts;



Q.14 Rohan has been stung by a honey bee and is in great pain

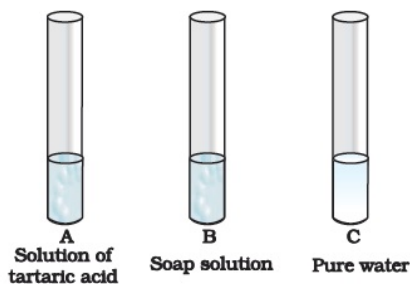
(a) what could be the reason for this burning pain?

(b) State the chemical compounds that can be applied on the affected area give relief to Rohan.

Q.15 You are provided with three test tubes A, B and C as shown in Figure 5.3 with different liquids.

What will you observe when you put

- a piece of blue litmus paper in each test tube.
- a piece of red litmus paper in each test tube.
- a few drops of phenolphthalein solution to each test tube.

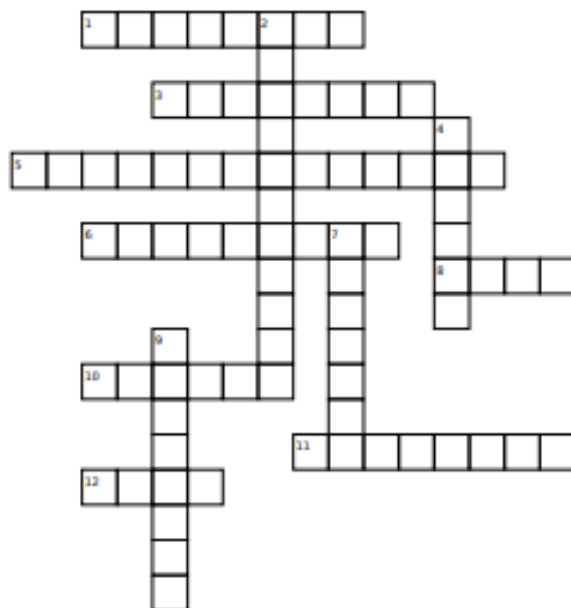


Q.16. A student accidentally spills dilute  $\text{H}_2\text{SO}_4$  on his hand. Before the teacher get to know, his friend washed his hands with water and also with soap but the burning sensation on hand still continued. His friend then pores dilute sodium bicarbonate on his hand and then washed with water, finally the burning sensation is relieved.

- Mention the values shown by student's friend.
- Write the chemical reaction involved in the treatment of acid burn with sodium bicarbonate.

Solve the following crossword puzzle

## Crossword Puzzle



### Down:

- Type of reaction in which two or more substances combine to form a new substance
- Acid present in the sting of bees
- naturally occurring acids that are found in plants and animals
- Bases which are soluble in water.

### Across:

- A ..... chemical equation has equal number of atoms of each element on the both sides of equation
- it is a natural indicator gives red colour in basic medium
- A chemical reaction between acid and base is called.....
- Substance which shows different colours in an acidic and basic medium.
- positively or negatively charged particles are known as .....
- Salts conduct electricity in their ..... state.
- Salts of acetic acid
- The chemical symbol Au represents the

## Social Science

- Prepare 10 Flash cards showing the wildlife species (Fauna) of India.
- Project File on '**Atmanirbhar Bharat Abhiyan**'
  - *What is Atmanirbhar Bharat Abhiyan?*
  - *Who started it and when?*
  - *How much money allocated to this project by our honourable PM?*



- Name the five pillars of Self-Reliant India.
- Main components of 'Atmanirbhar Bharat Abhiyan'.
- **Work to be done in Scrap Book (Art Integration)**
- ❖ **Geography –**
  - Ch-1 – Paste the Flash cards in the scrap book.
  - Ch-2 – Draw & colour the well labelled diagram of layers of soil.
- ❖ **History–**
  - Ch- 9 – Paste the pictures of monuments built during Medieval period.
  - Ch- 10 – Prepare a comparative table about the Rashtrakutas, the Palas & the Pratiharas as per format given in the book.
  - Lesson 11 – One of our Fundamental Duties is “To value and preserve the rich heritage of our composite culture.” As a citizen of India, how can we preserve our rich heritage? Write any five measures.
- ❖ **Civics –**
  - Ch-18 – Write 'Preamble of the Constitution' decoratively.
  - Draw/Paste the symbols of various political parties of India with their names & their political leader name.
- ❖ Learn all the work done in the class.

### संस्कृत ग्रीष्मकालीन अवकाश गृहकार्य -

- i. चित्र बनाकर या चिपकाकर संस्कृत में चार वाक्य लिखिए-  
(कक्षायाः, उद्यानस्य, क्रीडाक्षेत्रस्य, मेलकस्य, सरोवरस्य, वर्षायाः)
- ii. सुरभिः भागः-2 पाठ- 5 सुवचनानि में से कोई तीन श्लोक लिखें व याद करें।  
(उपर्युक्त कार्य कॉपी में करें।)
- iii. अप्रैल व मई मास में कराए गए सभी शब्द व धातुरूप तथा 1 से 30 तक संख्या याद करें।

