

असतो मा सद्गमय, तमसो मा ज्योतिर्गमय ।।



# **SUMMER VACATION ASSIGNMENT 2024**

## **CLASS-VIII**



**MAY 21, 2024 TO JULY 03, 2024**

The School Reopens on JULY 04, 2024.

[www.hallmarkpublicschool.com](http://www.hallmarkpublicschool.com)

Dearest Hallmarkites  
Greetings from Hallmark!

Summer Vacation brings with itself a much-needed breather from hectic schedule. It is the most awaited time meant for relaxation and enjoyment, and if this time is utilised for creative pursuits, it becomes a learning experience.

Keeping this in view, we have designed a few **exciting fun projects/ assignments** to enhance learning skills, help understand concepts better, and make for a **great crash course** aimed at **improving your academic output** as well. These assignments will not only help you **to revise and reinforce what you have learned in school**, but will also enrich your knowledge.

In a nutshell, the Summer Vacation Assignment has been designed to be a **meaningful and creative exercise**.

**Important Note:**

- These projects/ assignments will be assessed as **Subject Enrichment Activity** to be **added in your Portfolio**.
- **Submit the Summer Vacation Assignment** to the Class Teacher **within a week of reopening of the school**.



## LINKS TO ACCESS THE DIGITAL CONTENT

*'Digital mindfulness isn't about abstaining from technology; it's about using it in a way that supports our well-being and enhances our life.'*

Today's generation is App Generation who loves to spend time on screen. There's no contradicting the fact that we live in a world which is dominated by technology. We do understand this but want our Hallmarkites to spend their screen time constructively. Here are the **LINKS to access the DIGITAL CONTENT of all the Subjects for better understanding and revision of the concepts** taught in the class:

### ❖ ENGLISH

<https://app.burlingtonenglish.com/account/login>

(The Individual IDs and Passwords are already shared on the Whatsapp.)

### ❖ HINDI

#### **STEPS TO LOGIN:**

**Step -1** Go To Browser: <https://gowebrachnasagar.com/>

**Step -2** Fill the Login Credentials:

**LOGIN ID:** HALLMARK.DSP

**PASSWORD:** HALLMARK.DSP

**Step -3** Board - CBSE → Select Class - Your Class → Select Book Type- Text Book → Select Subject- Hindi → Select Book-e Son Chiraiya

### ❖ MATHEMATICS

<https://digital.charlesbaker.co.uk/user/login>

**LOGIN ID:** Charlesbaker\_HPPS2024

**PASSWORD:** Hallmark15

### ❖ SCIENCE, SOCIAL SCIENCE & PUNJABI

Scan the QR Code mentioned on the Cover Page of the books to access the e-book, audios and videos.

## JUST A LITTLE NOTE

- **Make sure you have a quiet, well-lit place to do homework.**

Avoid doing homework with the television on or in places with other distractions, such as mobile phones, people coming and going.

- **Make sure the materials you need, such as paper, pens/pencils and a dictionary, are available.**

In case any special material is required for some projects and get that in advance.

- **Learn time management.**

Establish a set time each day for doing homework. It will help regulating your Body Clock as per the set schedule.

- **Ask for assistance and guidance, not answers.**

Don't insist your parents/elders to provide you with the solutions of your assignments. Seek guidance but don't expect answers.

- **If homework is meant to be done by you alone, don't involve any elder.**

Homework is a great way to develop independent, lifelong learning skills.

- **Figure out what is hard homework and what is easy homework.**

Do the hard work first. The harder a task is, the more energy and focus we need to complete it. Starting the harder tasks when you are tired is more difficult and often results in putting them off for another day.

- **Celebrate progress in homework.**

Celebrate every successful homework completion and rejoice that success with a special event (e.g., pizza, a walk, a trip to the park) to reinforce the positive effort.

**Best wishes for Happy Holidays!**

**Hallmark Team**

## ENGLISH

### DEAR DIARY

'Memory is the diary that we all carry with us.'

But writing the memories in a diary is always a great experience. Let's keep a diary this vacation recording the best bits of the holidays. Write:

- about the special memories made with friends and family
- the things you learnt and which you want to share with your class when you come back
- about interesting places visited during your holiday

Create it adding snapshots.



The given picture is for reference only. Use your own creativity.

### IT'S TALK TIME

'A lot of problems in the world would be solved if we are able to express ourselves verbally well.'

Let's enhance our communication skills with the help of 'It's Talk Time'. Go through the Units 3 & 4 and solve their exercises as well.

## हिंदी

### e सोन चिरैया हिंदी पाठ्यपुस्तक (Text-Cum-Workbook)

- पाठ-4 पढ़ें व प्रश्न उत्तर हिंदी की कार्यपुस्तिका में लिखें।

### कथा मंजूषा-8

- पाठ 3, 4 पढ़ें व प्रश्न-उत्तर हिंदी की कार्यपुस्तिका में लिखें।
- अनुच्छेद लेखन— 'मानव सेवा सर्वोपरि' विषय पर एक अनुच्छेद लिखें।
- संवाद लेखन— गर्मियों की छुट्टियों के बाद मिले दो मित्रों के मध्य हुए संवाद को 100 शब्दों में लिखिए।

## MATHEMATICS

### Q.1 Solve the following Assignment in your Mathematics notebook.

1. The solution of the equation  $3x - 4 = 1 - 2x$  is \_\_\_\_\_.
2.  $\frac{x}{6} - 18 = 6$  has the solution as \_\_\_\_\_
3. In the equation  $3x - 3 = 9$ , transposing  $-3$  to RHS, we get \_\_\_\_\_
4. Sum of the ages of Anju and her mother is 65 years. If Anju's present age is  $y$  years then her mother's age before 5 years is \_\_\_\_\_ years.
5. Multiply  $\frac{3}{7}$  by the reciprocal of  $\frac{15}{-21}$
6. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.
7. Solve the equations.  $\frac{x}{3} + 1 = \frac{7}{15}$
8. Solve the following equations and check your results.  $2x - \frac{9}{2} = \frac{5}{2}x - 4$
9. Verify that  $-(-x) = x$  for  
(a)  $\frac{-13}{7}$  (b)  $\frac{13}{15}$
10. Find ten rational numbers between  $\frac{-2}{5}$  and  $\frac{1}{2}$
11. Solve linear equation  $x + 7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{2}$
12. Verify the property  $x \times (y + z) = x \times y + x \times z$  of rational numbers by taking.  $x = \frac{-4}{5}$ ,  $y = \frac{3}{2}$  and  $z = \frac{5}{4}$

### Q.2 Do Ch-1, 2, 3 from 'Marks Booster' in the book.

### Q.3 Do Ch-3: Understanding Quadrilateral from 'Ready for Math' in the notebook.

## PROJECT WORK

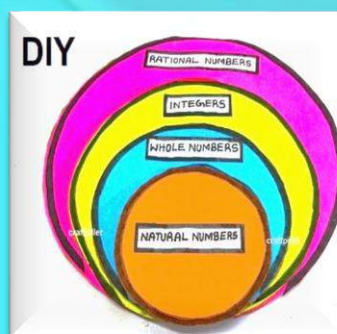
Prepare a working model on Perfect Square:

<https://youtu.be/6EibhuuOhvY>

**OR**

Working Model on Number System

<https://youtu.be/GZWXAB8LEtk>



**OR**

- **Note: The above links are for the reference. Use your own creativity.**

## SCIENCE

1. Chapter 1- Crop Production and Management
2. Chapter 2- Microorganisms: Friend and Foe
3. Chapter 4- Materials: Metals and Non-Metals

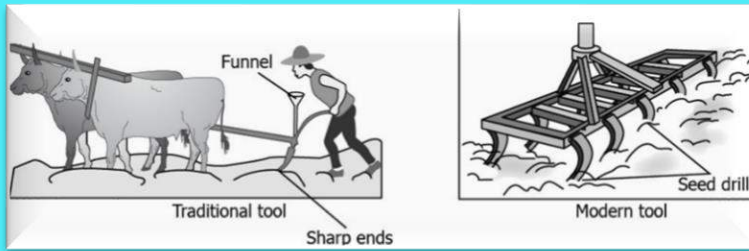
### General Instructions:

1. The Question bank contains three sections.
2. Section A has one-mark questions comprising MCQ, case study-based and assertion-reason type questions. They are to be answered in one word or in one sentence.
3. Section B has 4 are short answer type questions. These are to be answered in about 50 - 60 words each.
4. Section C has long answer questions.
5. All the work has to be done in your science notebook.

### SECTION-A

- Q.1 A farmer was turning the soil in the field constantly to loosen it. What is the likely reason for this agricultural practice?
- (a) This prevent growth of weeds in the soil.
  - (b) This increases the amount of soil in the field.
  - (c) This allows penetration of roots in soil easily.
  - (d) This allows water to stay in soil for longer duration.
- Q.2 Ravi and Sunil both grew same crop in their fields. Ravi used plough while Sunil used hoe to increase the productivity. After few months, it was observed that both the fields had same productivity despite using different tools. What is the likely reason for this?
- (a) Both the tools are made of wood.
  - (b) Both the tools are used to harvest crops.
  - (c) Both the tools are helpful for tilling the soil.
  - (d) Both the tools are useful in removing weeds.
- Q.3 Ritika observes that her father before storing the grains always dries them in the the Sun. What is the likely reason for this activity?
- (a) To keep the grains warm
  - (b) To increase the size of the grains
  - (c) To prepare the grains for germination
  - (d) To reduce the moisture content of the grains

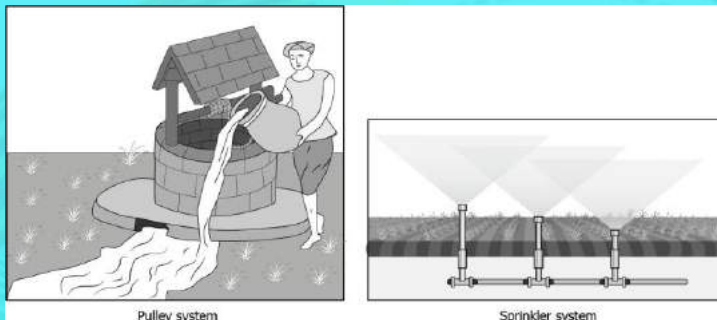
Q.4 The following image shows the two tools for sowing seed:



What is the likely advantage of using seed drill over a traditional tool?

- (a) It adds nutrients in the seed.
- (b) It protects the seeds from physical damage.
- (c) It separates healthy seeds from damaged seeds.
- (d) It sows seeds at equal distance from each other.

Q.5 The following image shows the two common methods of irrigation:



Why a farmer should adopt sprinkler system than pulley system?

- (a) Sprinkler system reduces wastage of water.
- (b) Sprinkler system decreases water requirement of the crops.
- (c) Sprinkler system increases water absorption capacity of the crops.
- (d) Sprinkler system provides excess water to the crops for high productivity.

Q.6 Padma saw some colored cottony growth on the bread she kept open in her kitchen. She uses magnifying glass to observe the microorganisms. Which group of microorganism will she likely observe?

- (a) Fungi
- (b) Algae
- (c) Bacteria
- (d) Protozoa

Q.7 What makes viruses different from the bacteria?

- (a) Microscopic size
- (b) Dependency on living cells
- (c) Requirement of moist conditions
- (d) Requirement of food

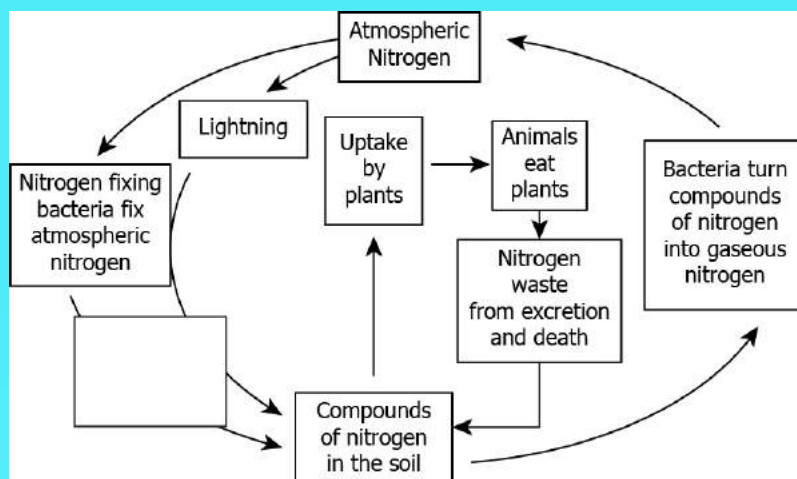
Q.8 What characteristic likely defines a pathogen?

- (a) They can spoil food and plastic.
- (b) They make soil fertile.
- (c) They can infect a human body.
- (d) They breakdown remains of dead organisms.



- Q.9 The dough increases in size when yeast is added into it. Which gas is produced by yeast cells and its effect on the dough?
- (a) Oxygen gas produced during respiration that increases the volume of the dough.
  - (b) Carbon dioxide gas produced during reproduction that increases the volume of the dough.
  - (c) Oxygen gas produced during reproduction that increases the volume of the dough.
  - (d) Carbon dioxide gas produced during respiration that increases the volume of the dough.
- Q.10 In polio vaccination, the dead microbes are introduced into the children's body. How does this vaccination protect the children from polio?
- (a) By producing suitable antibodies that remain in the body
  - (b) By killing the disease-causing microbes directly
  - (c) By increasing the interaction of dead microbes with the live ones
  - (d) By increasing the number of beneficial bacteria
- Q.11 Two elements X and Y are reacted with oxygen to form their respective oxides. They are then dissolved in water. Element 'X' forms a hydroxide which is basic in nature. Element 'Y' forms an acid. What can element X and Y be classified as?
- (a) X – Metal; Y – Non-metal
  - (b) X – Non-metal; Y – Metal
  - (c) X – Metal; Y –Metal
  - (d) X – Non-metal; Y – Non-metal
- Q.12 Which of the following describes -metals are essential to humans.
- (a) They are used in purification of water.
  - (b) They are used to make machinery and automobiles.
  - (c) They are major components of fertilizers for plants to grow.
  - (d) They form gases in the atmosphere that are required by humans to breathe.
- Q.13 Which element can displace copper from the copper sulphate solution?
- (a) Iron
  - (b) Platinum
  - (c) Gold
  - (d) Silver
- Q.14 A student classifies iron as ductile and carbon as non-metal. What explains the classification?
- (a) Iron can be drawn into thin wires, but carbon cannot.
  - (b) Iron can be made into thin sheets, but carbon cannot.
  - (c) Iron can be beaten to make sound, but carbon cannot.
  - (d) Iron can be plated over other metals, but carbon cannot.

Q.15 The image explains a nitrogen cycle:



What should be added to the blank box to complete the cycle?

- (a) Bacteria turn fixed nitrogen into nitrogenous compounds.
- (b) Bacteria fixed nitrogen into soil.
- (c) Bacteria convert the nitrogenous compounds into nitrogen gas.
- (d) Bacteria mix nitrogen gas with the soil

**Directions for Q. No. 16 to 18:**

**Two statements are given, one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:**

- (a) Both A and R are true and R is correct explanation of the assertion.
- (b) Both A and R are true but R is not the correct explanation of the assertion.
- (c) A is true but R is false.
- (d) A is false but R is true.

Q.16 **Assertion:** Metals are sonorous.

**Reason:** They are generally brittle in the solid state and break into pieces.

Q.17 **Assertion:** Excessive irrigation can cause a lot of damage to crops.

**Reason:** In the presence of the sunlight, silver chloride decomposes into silver metal and chlorine gas.

Q.18 **Assertion:** Antibiotics are added to the feed of livestock and poultry.

**Reason:** Addition of antibiotics enhances the taste of the feed.

**Q. No. 19 - 20 contain five sub-parts each. You are expected to answer any four subparts in these questions:**

**Q.19 Read the following and answer any four questions from 19 (i) to 19 (v):**

All the elements known so far have been classified into metals, non- metals and metalloids. Metals are generally solid at room temperature with the exception of mercury which is a liquid at room temperature. Metals are lustrous, malleable, ductile and good electrical conductors where as non-metals are generally non-lustrous and are neither malleable nor ductile. Non-metals are also poor conductors of heat and electricity.

- (i) The process by which a layer of zinc is deposited on the surface of iron is called \_\_\_\_\_.
- (a) corrosion                      (b) galvanisation                      (c) alloying                      (d) electroplating
- (ii) Gold is \_\_\_\_\_ malleable and ductile.
- (a) highly                      (b) cannot say                      (c) least                      (d) partially
- (iii) \_\_\_\_\_ is the only non-metal, which is the good conductor of heat and electricity.
- (a) oxygen                      (b) water                      (c) graphite                      (d) carbon
- (iv) \_\_\_\_\_ is the only metal, which is liquid at room temperature.
- (a) Sodium                      (b) Bromine                      (c) Mercury                      (d) Oxygen
- (v) Iron objects are generally electroplated with \_\_\_\_\_.
- (a) gold                      (b) silver                      (c) chromium                      (d) mercury

**Q.20 Read the following and answer any four questions from 20(i) to 20 (v):**

The farmers today are aware of the fact that good quality of seeds is must for good crop. The seeds selected for sowing must also be healthy that means that must be taken from good and healthy plants and then stored well before sowing them. Sowing of seeds is an important practice regarding crop production. After preparation of soil seeds are sown in it. To get a good crop yield, good quality seeds are selected. In addition to good quality, seeds should be sown uniformly at proper distance and depth so that overcrowding of plants is avoided and each plant get sufficient space, sunlight and water to grow.

- (i) Seeds are sown in field by using \_\_\_\_\_.
- (a) a funnel having long stem                      (b) seed drill
- (c) both (a) and (b)                      (d) None of these
- (ii) The instrument which is not used for ploughing the soil is \_\_\_\_\_.
- (a) plough                      (b) hoe                      (c) sickle                      (d) cultivator
- (iii) The process of loosening and turning of the soil is called \_\_\_\_\_.
- (a) ploughing                      (b) levelling                      (c) manuring                      (d) None of these

- (iv) Which of the following provides a lot of humus to the soil?  
(a) Fertilizer                      (b) Seeds                      (c) Pesticides                      (d) Manure
- (v) The loose soil:  
(a) Helps the roots to penetrate deep into the soil.                      (c) Neither A nor B  
(b) Helps in growth of microbes and earthworms.                      (d) Both A and B

### **SECTION-B**

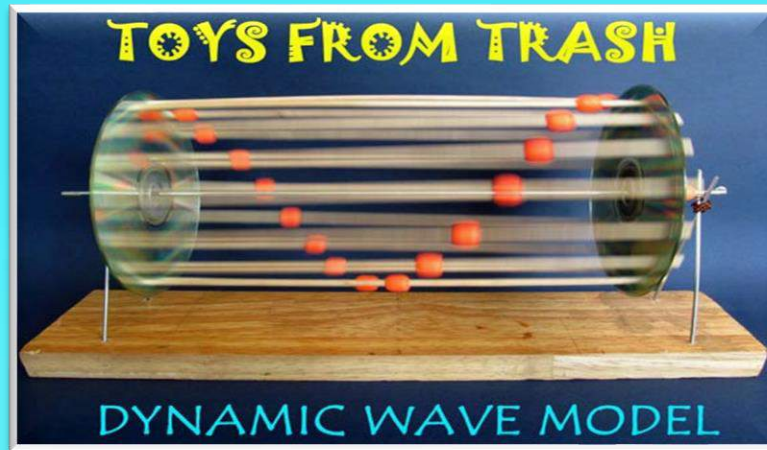
- Q.21 Do you think a farmer can have good yield of crops, if he does not follow the basic steps of loosening and turning of soil? Give reasons.
- Q.22 Is it necessary to distribute the seeds in a field evenly while sowing? Justify.
- Q.23 Is it necessary to transfer curd in a cooler place after it is set? Why?
- Q.24 Can antibiotics harm us if taken irregularly or unnecessarily without doctor's advice?
- Q.25 An ornament made up of gold does not tarnish while silver does. Explain.
- Q.26 A doctor prescribed a tablet to a patient suffering from iron deficiency. The tablet does not look like iron. Explain.

### **SECTION-C**

- Q.27 Give reasons for the following:
- (a) Wires cannot be drawn from wood.  
(b) Oxygen is not brittle.  
(c) Diamonds are used for making jewellery.  
(d) Sodium is stored in kerosene oil.  
(e) Sulphur cannot be used for making pipes.
- Q.28 (a) Why do we say that if a person suffers from chickenpox once, he/she is not likely to be attacked by the same disease in future?  
(b) Why should we always wash our hands before handling food items?
- Q.29 (a) What would you advise the farmers for weeding their fields- chemical weedicides or biological control of weeds? Why?  
(b) Why during ploughing, the land is pressed lightly but not tightly?

## PROJECT WORK

### ▪ DYNAMIC WAVE MODEL



<https://youtu.be/ltbbsZ5TI7k?si=cNEUeyQHthPxJ4Zz>

- **Note:** The above link is for the reference purpose. Use your own creativity.

## SOCIAL SCIENCE

Revise Chapters 1 & 2 (History), Chapters 1 & 2 (Civics) & Chapters 1 & 2 (Geography) and Do pages 3-8, 42-50 and 58-60 in the **Social Science (Workbook)**.

## PROJECT WORK

"The true source of rights is duty. If we all discharge our duties, right will not be far to seek."

- Make a model of 'Fundamental Rights'.



<https://youtu.be/q14glQj9huA?si=WqmQQDrQdmlyEHtX>

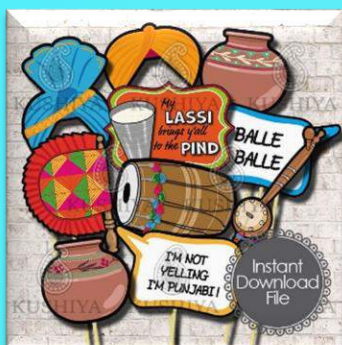
- **Note:** The above link is for the reference purpose. Use your own creativity.

## PUNJABI

'ਸਾਨੂੰ ਮਾਣ ਪੰਜਾਬੀ ਹੋਣ ਦਾ, ਸਾਡੀ ਸ਼ਾਨ ਹੋਰਾਂ ਤੋਂ ਵੱਖਰੀ।  
ਸਾਨੂੰ ਮਾਣ ਹੈ ਇਸ ਗੱਲ ਦਾ, ਸਾਡੀ ਧਰਤੀ ਗੁਰੂਆਂ ਤੋਂ ਨਿੱਖਰੀ '।

ਪੰਜਾਬ ਦਾ ਸੱਭਿਆਚਾਰ ਇੱਕ ਰੰਗੀਨ ਟੇਪਸਟਰੀ ਹੈ ਜੋ ਪੁਰਾਤਨ ਸਭਿਅਤਾਵਾਂ ਦੇ ਪ੍ਰਭਾਵਾਂ ਨਾਲ ਬੁਣਿਆ ਗਿਆ ਹੈ।  
ਆਓ ਅਸੀਂ ਮਿਲ ਕੇ ਪੰਜਾਬੀ ਵਿਰਸੇ ਦਾ ਮਾਣ ਕਰਦੇ ਹੋਏ, ਉਸ ਨੂੰ ਹੋਰ ਅੱਗੇ ਵਧਾਉਂਦੇ ਹਨ।

- Let us design any **3** articles each depicting **Punjabi Cultural Heritage**.  
(Refer to the pictures attached)



## PROJECTS FOR CBSE EXPRESSION SERIES-2024

- Write an **Essay** (400 words) or make a **PAINTING** (A4 size sheet) or a **POEM** on **ANY ONE** of the given topics:

My views to make exams stress free

**OR**

2 lessons I learnt in my class that helped me in my daily life

**Revise all the Syllabus done till date!**

**Happy Holidays!**