

**S.H.I.P.S.**  
[A Premier Institution]

**SHREE HANUMAT INTERNATIONAL PUBLIC SCHOOL**  
(Senior Secondary)

Affiliated to the C.B.S.E., New Delhi, Vide Code No. – 1630686,  
G.T. ROAD, GORAYA (Distt. Jalandhar)- 144409, Contact – 78376-36615, 01826-264069



# Home Assignment

## 2023-24

Name: \_\_\_\_\_

Grade : VII                      Roll. No. \_\_\_\_\_

**Note:**

1. Assignment Marks will be added in the Terminal Assessment.
2. Parents are required to let their child do his/her assignments on his/her own.
3. Use loose sheets if required to perform the task.
4. Best Assignment of the year will be recognised.

## ENGLISH

1. Read any one story from the following list and describe it in your language.
  - a. Sardar Bhagat Singh
  - b. Neta ji Subhash Chander Bose
  - c. A.PJ. Abdul Kalam Azad
  - d. Any story of your choice.
2. Write an email how you spent your summer vacation and send on the following mentioned email ID with your name and class  
sanyogitagarg915@gmail.com ( For section B students only)  
dkansya@gmail.com( For section A students only)
3. Visit a public place(bus stand/railway station/temple/gurudwara/orphanage/historical place etc) and make a video recording of your observations with running commentary and mail the video to sanyogitagarg915@gmail.com ( For section B students only)  
dkansya@gmail.com( For section A students only)

OR

- Make a video helping your family member in household chores with running commentary and mail it in on sanyogitagarg915@gmail.com(For section B students only)  
dkansya@gmail.com( For section A students only)
4. Today, India is facing a problem of water scarcity in many villages. Collect data from the google , make your report and suggest some ways on saving water. Write your content on A-4 size sheets.
  5. Make a poster on Plant a Sapling and write a speech on A-4 size sheet.

## PUNJABI

Activity:- 'ਰੁੱਖ ਲਗਾਉ' ਵਿਸ਼ੇ ਨਾਲ ਸੰਬੰਧਿਤ ਸਲੋਗਨ ਲਿਖੋ।

ਪਾਠ ਪੁਸਤਕ ਦੇ ਪੰਨਾ ਨੰਬਰ 43 ਤੇ ਦਿੱਤੇ ਚਿੱਤਰ ਦੇ ਆਧਾਰ ਤੇ ਕਹਾਣੀ ਰਚਨਾ ਕਰੋ।

ਹੇਠਾਂ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਤੇ ਪੈਰਾ ਰਚਨਾ ਕਰੋ:-

1. ਸਾਡੀ ਪ੍ਰੀਖਿਆ ਪ੍ਰਣਾਲੀ, ਇੰਟਰਨੈੱਟ (roll no1-11)
2. ਦੇਸ਼ ਭਗਤੀ ,ਸਮੇਂ ਦਾ ਮਹੱਤਵ(roll no. 12-22)
3. ਮਹਿੰਗਾਈ, ਧਾਰਮਿਕ ਸਥਾਨ ਦੀ ਯਾਤਰਾ (roll no 23-33)


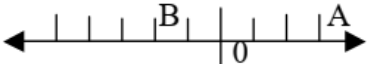
## HINDI

1. गर्मियों की छुट्टियाँ आपने कैसे बिताई, उसका वर्णन, चित्र सहित 150 शब्दों में करें।
2. निम्नलिखित संकेत बिंदु के आधार पर कविता लिखें -  
पुस्तक, कक्षा, कलम, कार्य।
3. मधुर वाणी तथा समय का सदुपयोग विषय पर अपने विचार चित्र सहित लिखें।
4. दिए संकेत बिंदु के आधार पर चित्र बनाएँ तथा उसका वर्णन करें।  
पहाड़, नदी, झरने, हरियाली, सुहावना मौसम।

# MATHEMATICS

## CLASS – VII: CHAPTER – 1

### INTEGERS

- Which of the following number is greater than  $-1$  ?  
(a)  $-2$  (b)  $-10$  (c)  $0$  (d)  $-3$
- The preceding number of  $-1$  on number line is:  
(a)  $0$  (b)  $1$  (c)  $2$  (d)  $-2$
- Which number is 5 more than  $-3$ ?  
(a)  $-2$  (b)  $2$  (c)  $8$  (d)  $-8$
- 7 steps to the left of 4 on number line gives:  
(a) 3 (b) 11 (c)  $-11$  (d)  $-3$
- 2 steps to the right of  $-1$  on number line gives:  
(a)  $0$  (b)  $1$  (c)  $-3$  (d)  $3$
- Which number is being represented by the point A on following number line:  
  
(a)  $-9$  (b)  $5$  (c)  $-5$  (d)  $-6$
- What number is being represented by points A and B respectively on the number line:  
  
(a) 3 and 2 (b) 2 and 3 (c)  $-3$  and  $-2$  (d) 3 and  $-2$
- The integer succeeding  $-9$  is:  
(a)  $-10$  (b)  $10$  (c)  $-8$  (d)  $8$
- What will be the opposite of 3 Km south?  
(a) 3 km east (b) 3 km north (c) 3 km north east (d) 3 km west
- Which of the following set of numbers is in descending orders?  
(a)  $2, -2, 1, -1$  (b)  $0, 1, 2, 3$  (c)  $1, 0, -1, -2$  (d)  $-3, -2, -1, 0$
- Which of the following statements is false:  
(a) 0 lies to the left of  $-1$  (b) 2 lies to the right of 1  
(c) 1 lies to the right of 0 (d)  $-2$  lies to the left of  $-1$
- 5 added to the  $-1$  gives  
(a) 4 (b)  $-4$  (c) 6 (d)  $-6$

13. The sum of two integers is 47. If one of the integers is  $-24$ , find the other.

**14.** Write the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 in this order and insert '+' or '-' between them to get

the result (a) 5 (b) -3

**15.** Compute each of the following:

(a)  $30 + (-25) + (-10)$  (b)  $(-20) + (-5)$  (c)  $70 + (-20) + (-30)$  (d)  $-50 + (-60) + 50$  (e)  $1 + (-2) + (-3) + (-4)$  (f)  $0 + (-5) + (-2)$  (g)  $0 - (-6) - (+6)$  (h)  $0 - 2 - (-2)$

**16.** If we denote the height of a place above sea level by a positive integer and depth below the sea

level by a negative integer, write the following using integers with the appropriate signs:

(a) 200 m above sea level (b) 100 m below sea level

(c) 10 m above sea level (d) sea level

**17.** A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold.

(a) The company sells 3,000 bags of white cement and 5,000 bags of grey cement in a month. What is its profit or loss?

(b) What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags.

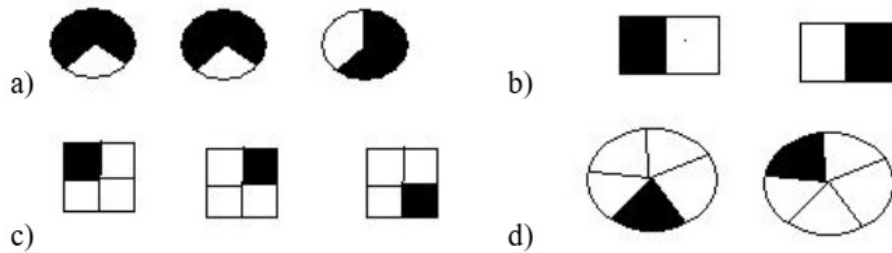
**18.** Temperature of a place at 12:00 noon was  $+5^{\circ}\text{C}$ . Temperature increased by  $3^{\circ}\text{C}$  in first hour and

decreased by  $1^{\circ}\text{C}$  in the second hour. What was the temperature at 2:00 pm?

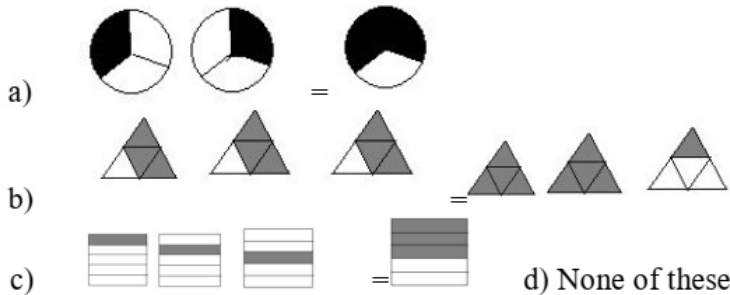
**CLASS – VII: CHAPTER – 2**  
**FRACTIONS AND DECIMALS**

1. What is the value of  $\frac{4}{5} - \frac{2}{3}$
- a)  $\frac{2}{2}$                       b)  $\frac{14}{15}$                       (c)  $\frac{2}{15}$                       (d) none of these

2. Which of the following drawing shows  $2 \times \frac{1}{5}$



3. Which of the following drawing shows  $3 \times \frac{3}{4} = 2\frac{1}{4}$



4. The value of  $\frac{1}{2}$  of 24 is

- a) 12                      b)  $\frac{1}{12}$                       (c) 48                      (d)  $\frac{1}{48}$

5. The product of  $\frac{3}{4}$  and  $\frac{1}{5}$  gives

- (a)  $\frac{3}{20}$                       (b)  $\frac{5}{12}$                       (c)  $\frac{12}{5}$                       (d)  $\frac{20}{3}$

6. Which of the following product gives the value  $\frac{78}{5}$

- (a)  $3 \times 5\frac{1}{5}$                       (b)  $\frac{1}{3}$                       (c)  $3 \times \frac{5}{26}$                       (d) None of these

7. The product of  $\frac{2}{5} \times 5\frac{1}{4}$  gives

- (a)  $\frac{1}{2}$                       (b)  $\frac{21}{10}$                       (c)  $\frac{11}{10}$                       (d)  $\frac{15}{10}$

8. The reciprocal of  $1\frac{2}{3}$  is

- (a)  $\frac{3}{2}$                       (b)  $1\frac{3}{2}$                       (c)  $\frac{5}{3}$                       (d)  $\frac{3}{5}$

9. What is the value of  $\frac{2}{3} + \frac{1}{3} + \frac{7}{3}$

a)  $\frac{10}{3}$

b)  $\frac{10}{9}$

(c)  $\frac{30}{3}$

(d)  $\frac{10}{27}$

10. What is the value of  $\frac{5}{8} - \frac{3}{8}$

a)  $\frac{37}{16}$

b)  $\frac{1}{8}$

(c)  $\frac{2}{8}$

(d)  $\frac{43}{8}$

11. Write  $\frac{5}{6}$  as a fraction with numerator 60

12. Write  $\frac{129}{8}$  as a mixed fraction.

13. Add the fractions  $\frac{3}{8}$  and  $\frac{2}{3}$ .

14. Add the fractions  $\frac{3}{8}$  and  $6\frac{3}{4}$ .

15. Katrina rode her bicycle  $6\frac{1}{2}$  km in the morning and  $8\frac{3}{4}$  km in the evening. Find the distance travelled by her altogether on that day.



16. A rectangle is divided into certain number of equal parts. If 16 of the parts so formed represent the fraction

$\frac{1}{4}$ , find the number of parts in which the rectangle has been divided.

17. Grip size of a tennis racquet is  $11\frac{9}{80}$  cm. Express the size as an improper fraction.

18. Mr. Rajan got a job at the age of 24 years and he got retired from the job at the age of 60 years. What fraction of his age till retirement was he in the job?

**CLASS – VII: CHAPTER – 3**  
**DATA HANDLINGS**

1. The mean of the first five whole number is \_\_\_\_\_.  
a. 2                      b. 5                      c. 3                      d. 4
2. The mean of the first five natural number is \_\_\_\_\_.  
a. 2                      b. 5                      c. 3                      d. 4
3. The mean of the first seven natural number is \_\_\_\_\_.  
a. 2                      b. 5                      c. 3                      d. 4
4. The median of the first ten natural number is \_\_\_\_\_.  
a. 2.5                      b. 5.5                      c. 3.5                      d. 4.5
5. The median of the first ten prime number is \_\_\_\_\_.  
a. 2.5                      b. 5.5                      c. 3.5                      d. none of these
6. A cricketer scores the following runs in eight innings :  
58 , 76 , 40 , 35 , 46 , 45 , 0 , 100  
What will be their mean score ?  
a. 400                      b. 50                      c. 200                      d. 100
7. What will be the range of following data ?  
32 , 41 , 28 , 54 , 35 , 26 , 33 , 23 , 38 , 40  
a. 25                      b. 23                      c. 31                      d. 54
8. The tally mark  shows frequency \_\_\_\_\_.  
a. 4                      b. 5                      c. 0                      d. 3
9. Which observation in the following data has maximum frequency ?  
1 , 1 , 2 , 4 , 3 , 2 , 1 , 2 , 2 , 4  
a. 4                      b. 3                      c. 1                      d. 2
10. The tally mark  shows frequency \_\_\_\_\_.  
a. 15                      b. 13                      c. 12                      d. none of these
11. The mode of the data 2 , 2 , 2 , 3 , 3 , 4 , 5 , 5 , 5 , 6 , 6 , 8 is \_\_\_\_\_.  
a. 2                      b. 5                      c. 8                      d. 2 & 5 both
12. A data can have \_\_\_\_\_ mode .  
a. Only one                      b. only two                      c. only 3                      d. more than one
13. The ages in years of 10 teachers of a school are:  
32, 41, 28, 54, 35, 26, 23, 33, 38, 40  
(i) What is the age of the oldest teacher and that of the youngest teacher?  
(ii) What is the range of the ages of the teachers?  
(iii) What is the mean age of these teachers?

**14.** A cricketer scores the following runs in eight innings: 58, 76, 40, 35, 46, 45, 0, 100. Find the mean score.

**15.** The marks (out of 100) obtained by a group of students in a science test are 85, 76, 90, 85, 39, 48, 56, 95, 81 and 75. Find the:

- (i) Highest and the lowest marks obtained by the students.
- (ii) Range of the marks obtained.
- (iii) Mean marks obtained by the group.

**16.** The enrolment in a school during six consecutive years was as follows: 1555, 1670, 1750, 2013, 2540, 2820 Find the mean enrolment of the school for this period.

**17.** The heights of 10 girls were measured in cm and the results are as follows: 135, 150, 139, 128, 151, 132, 146, 149, 143, 141.

- (i) What is the height of the tallest girl?
- (ii) What is the height of the shortest girl?
- (iii) What is the range of the data?
- (iv) What is the mean height of the girls?
- (v) How many girls have heights more than the mean height.

**18.** Following are the margins of victory in the football matches of a league.

1, 3, 2, 5, 1, 4, 6, 2, 5, 2, 2, 2, 4, 1, 2, 3, 1, 1, 2, 3, 2,  
6, 4, 3, 2, 1, 1, 4, 2, 1, 5, 3, 3, 2, 3, 2, 4, 2, 1, 2

Find the mode of this data.

## SCIENCE

### **Total Questions:20**

- MCQ
- Question 1.  
Fungi is a
  - (a) parasite
  - (b) autotroph
  - (c) saprotroph
  - (d) insectivore
- Question 2  
Human beings can be categorised as
  - (a) parasite
  - (b) heterotrophs
  - (c) saprotrophs
  - (d) autotrophs
- Question 3.  
The false feet of Amoeba are used for
  - (a) movement only
  - (b) capturing food only
  - (c) capturing food and movement
  - (d) exchange of gases only



- Question 4.  
Which of the following is a good conductor of heat?  
(a) Iron  
(b) Steel  
(c) Aluminium  
(d) All of these
- Question 5.  
Which of the following thermometers has a kink?  
(a) Laboratory thermometer  
(b) Clinical thermometer  
(c) Both (a) and (b)  
(d) Digital thermometer
- ONE WORD
- 6. The transfer of heat from hotter body to colder body is called
- 7. What term is used for the following process? Washing of sheep's fleece to remove dust, dirt, dried sweat and grease.
- 8. **How many Nuclei an amoeba can have in their cell?**
- ASSERTION-REASON

Question 9

Assertion (A): Amoeba does not have any specialised organ for nutrition.

Reason (R): In some single-celled organisms, nutrients are taken in by the entire surface through the process of diffusion.

Question 10

**Assertion- mostly cells have a distinct centrally located spherical structure called the nucleus.**

**Reason- the nucleus is surrounded by a jelly like structure called cytoplasm.**

- HOTS

Question 11

Plants prepare their food using a different mode of nutrition. What is it?

Also write equation for process.

Question 12

Will heat transfer if the temperature of two objects is the same?

Question 13 **Why does the mercury not fall or rise in a clinical thermometer, when taken out of the mouth?**

- APPLICATION BASED

Question 14

Why do we get hair burnt odour while burning wool?

Question 15

**What is the concern associated with the use of mercury thermometer?**

- **DRAW A CONCEPT MAP**

Question 16

Draw a concept map of chapter Heat.

Question 17

Draw a concept map of chapter Nutrition in animals.

- **DRAW DIAGRAM**

Question 18

Draw the diagram of thermos flask.

- **Question 19**

**CASE BASED**

**Plants can prepare their own food by the process of photosynthesis but animals cannot. Animals get their food from plants, either directly by eating plants or indirectly by eating animals that eat plants. Some animals eat both plants and animals. Recall that all organisms including humans require food for growth, repair and functioning of the body.**

**Animal nutrition includes nutrient requirement, mode of intake of food and its utilisation in the body. The components of food such as carbohydrates are complex substances. These complex substances cannot be utilised as such. So they are broken down into simpler substances. The breakdown of complex components of food into simpler substances is called digestion.**

**Que 1) Humans require.....for growth and repair of cells and tissues in the body.**

- (a) Plants
- (b) Protein
- (c) Fat
- (d) Food

**Que. 2) Plants can prepare food by the process of capturing of sunlight with help of chlorophyll and this process is known as .....**

- (a) Metabolism
- (b) Catabolism
- (c) Photosynthesis
- (d) Digestion

**Que. 3) Carbohydrates are.....substances.**

- (a) Simple
- (b) Complex
- (c) Digestible
- (d) Fatty

**Que. 4) Define digestion.**

**Que. 5) How do animals get their food?**

- QUESTION 20  
PROJECT/ Models

.LIST OF PROJECTS/MODELS ( According to Roll numbers)

- Make a photosynthesis model ( R.No. 1to 8)
- Make a portfolio file on types of fabric ( R.No 9to 16)
- Make A solar cooker( R.No. 17 to 24)
- Project on digestive system of human ( R.No. 25to 32)

## SOCIAL SCIENCE

1. Learn and write States and capitals of india.
2. Write any ten amazing facts about our state Punjab
3. Which of the sources of history do you think is the most appropriate to reconstruct history?  
Give reasons to support your answer.
4. The covid 19 pandemic has adversely affected the economically weaker section of the society. Research and write five Points, how the pandemic has made the poor still poorer and thrown several people out of job.
5. Every place that you visit doesn't have dust bin. Where would u throw the garbage at such places? Mention some means that can be followed in such situations.
- 6.



Look at the picture and give answer-

1. what happens inside a legislative Assembly?
- 2 Who does preside meetings here?
3. What are the functions of this assembly?
4. who are MLAs?
5. what do you mean by bicameral and unicameral?

7.

### Case study 1

Carbohydrates, proteins, fats, vitamins and minerals are components of food. These components of food are called nutrients and are necessary for our body. All living organisms require food. Plants can synthesise food for themselves but animals including humans cannot. They get it from plants or animals that eat plants. Thus, humans and animals are directly or indirectly dependent on plants. Plants are the only organisms that can prepare food for them-

selves by using water, carbon dioxide and minerals. The raw materials are present in their surroundings. The nutrients enable living organisms to build their bodies, to grow, to repair damaged parts of their bodies and provide the energy to carry out life processes. Nutrition is the mode of taking food by an organism and its utilization by the body.

The mode of nutrition in which organisms make food themselves from simple substances is called autotrophic (auto = self; trophos = nourishment) nutrition. Therefore, plants are called autotrophs. Animals and most other organisms take in food prepared by plants. They are called heterotrophs (heteros = other).

Que. 1) What are the components of food?

- (a) Vitamins
- (b) Carbohydrates
- (c) Proteins
- (d) All of the above

Que. 2) Which organism are autotrophs?

- (a) Humans
- (b) Animals
- (c) Bacteria
- (d) Plants

Que. 3) Plants produce food by using which of the following components.

- (a) Water
- (b) Carbon dioxide
- (c) Starch
- (d) Both (a) & (b)

Que. 4) Define autotrophic nutrients.

5. who are called heterotrophs?

8. Case study----

Democracy is a form of government in which the rulers are elected by the people. A referendum is a direct vote in which the electorate is asked to either accept or reject a proposal.

In a democracy, before the elections, adequate leeway needs to be given for normal political activity and opposition. The citizens should be free to think and form opinions, to be able to express these opinions in public, form associations, and take other political actions.

Four features of democracy as a form of government emerge on the basis of examples:

The elected representatives of the people should have the final decision-making power.

The foundation of a democracy is free and fair elections, in which the ruling party also faces a fair chance of losing.

This choice and opportunity is available to all the people on an equal basis.

A democratic government rules within the limits set by constitutional law and citizens' rights.

Give answer after reading paragraph--

- 1.what do you mean by democracy?
- 2.What do u mean by referendum?
- 3.what is universal adult Franchise?
- 4.what is the main foundation of democracy?
- 5.Write main features of democracy.

**\*\*make a model on different realms of our environment.**