

# S.V.V. Sr. Sec. School, Tharwai Prayagraj

Summer Holiday Home Work 2019-20

## Class-IX

### हिन्दी -

1. आप किसी ऐसे बालक/बालिका के बारे में एक अनुच्छेद लिखिए जिसने कोई बहादुरी का काम किया हो।
2. हमारे समाज में मनुष्यों में परस्पर किसी भी प्रकार का कोई भेदभाव नहीं होता, लेकिन आज भी हमारे समाज में भेदभाव दिखाई देता है -  
(क) आपकी दृष्टि में इस कारण देश और समाज को क्या हानि हो रही है? (पक्ष-विपक्ष) दोनों दर्शाएँ।  
(ख) आपसी भेदभाव को मिटाने के लिए अपने सुझाव दीजिए।

### English

(Do in H. W. copy)

1: Write a story in about 150-200 words.

A long wait for the bus --- people impatient ---- a large crowd, a lot of confusion ---- felt the pocket being touched --- looked around ---- caught the hand ---- and -----.

2: Letter writing –

Write a letter of enquiry in 120 words addressed to the administrator incharge of International coaching seeking clarification about the timings, duration, staff, transport and other necessary details for joining the institute.

(i) It had been over two hours waiting for the train. Richa was getting restless. Suddenly she ..... .

(ii) Arjun walked fast. It was getting dark. He then realized that he had lost his way ..... .

3: Article -

Write an article on 'ill effects of Television on students' (150 Words)

### Physics

(Do in file papers)

1: Differentiate velocity and speed.

2: Derive all 3 equations of motion by using graphical method.

3: Draw the distance time graph and velocity time graph for uniformly accelerated and de-accelerated motion on a graph paper & paste it in note book.

4: Solve the all numerical problems of chapter motion from NCERT exercise.

### Chemistry

(Do in file papers)

1: Draw periodic table on a chart paper.

2: Write the symbol and its electronic configuration of atomic number 1 to 20 elements.

### Biology

(Do in file papers)

1. Raju told her 10 year old sister that cell was discovered by Robert Hooke in 1665 and based on his observation, cell theory was developed. Raju did not have a microscope and hence was not able to show the structure of a cell to his sister. Raju's sister is too young to understand this and asked Raju to show her a cell

(i) What can Raju show to his sister which can give her an idea of the appearance of a cell?

(ii) State cell theory. Name the scientist who presented it.

(iii) What is the lifespan of a cell?

2. Draw a plant cell and label the parts.

## F. I. T.

(Do in C. W. copy)

1. Draw the diagram of word document, Excel and PowerPoint document in your C.W. copy and mention the tools name in each.
2. Write 10 Program's in HTML to show the use of different tags.

## Social Science

**History:** Ch-1  
**Civics:** Ch-1  
**Geography:** Ch-1  
**Economics:** Ch-1

*Read these chapters carefully and create the summary (in 200 words) of these chapters in own words & make 10 questions and answer of each chapters.*

## Maths

1- Find four rational number between  $\frac{2}{3}$  and  $\frac{-5}{7}$

2- Do the exercise 1.1 and exercise 1.5

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

4- Find the value of  $x : \left(\frac{3}{4}\right)^3 \left(\frac{4}{3}\right)^{-7} = \left(\frac{9}{16}\right)^x$

5- Express 5.24 in the form  $\frac{p}{q}$

6- If  $x = 3 + 2\sqrt{2}$  then find the value of  $x^2 + \frac{1}{x^2}$

7- Represent  $\sqrt{3}$  on the number line.

8- Express  $\frac{4}{\sqrt{11}-\sqrt{7}}$  with rational denominator.

9- Prove that  $\sqrt{2}$  and  $(5 + \sqrt{3})$  is an rational number

10-Visualise 3.76 on the number line

11-Rationalise the denominator:

(i)  $\frac{1}{\sqrt{5}}$

(ii)  $\frac{1}{\sqrt{5}-\sqrt{3}}$

(iii)  $\frac{1}{\sqrt{7}+\sqrt{5}-\sqrt{3}}$

12-Find the simplest rationalizing factor of monomial.

(i)  $8\sqrt[3]{49}$

(ii)  $\sqrt{75}$

(iii)  $\sqrt[5]{160}$

(iv)  $\sqrt{\frac{m}{n}}$