



# MANAVA BHARATI INTERNATIONAL SCHOOL

Session 2020-21  
WARM-UP ASSIGNMENT  
CLASS -9



## ENGLISH

- Design a poster to create awareness among people on COVID-19.
- These days are the days of fast speed and the young boys are very fond of fast bikes. The young people indulge in reckless driving and to make the matters worse, the police do not perform the duty well with the result that many people are killed in road accidents. Write a letter to the editor of a newspaper highlighting the problem of reckless driving.
- Imagine you are on a school excursion/field trip and are stranded in the mountains due to the heavy snowfall. Write a diary entry for the day.

## HINDI

**नोट:** दिए गए निर्देशों के आधार पर कार्य पूर्ण करें।

(क) भाषा का प्रयोग शुद्ध रूप में करें।

(ख) वर्तनी लिखते समय मात्रा के प्रयोग पर विशेष ध्यान दें, जिससे वर्तनी में सुधार होगी।

(ग) वाक्यों की लिखावट की स्वच्छता पर बल दें।

(घ) लेखन कार्य के समय, वाचन कार्य का प्रयोग करते हुए, कार्य को संपादित करें।

1. दिए गए विषय पर पत्र लिखें:

(क) चुनाव के दिनों में घरों, विद्यालयों आदि पर पोस्टर लगाने के कारण लोगों को होने वाली असुविधा की ओर ध्यान आकर्षित करते हुए समाचार-पत्र के संपादक को पत्र लिखें।

(ख) आपके विद्यालय में संपन्न हुए वृक्षारोपनसमारोह के विषय में बताते हुए अपने छोटे भाई को पत्र लिखें।

2. आपको अपने मित्र से हिंदी विषय से संबंधित एक पुस्तक चाहिए। इससंदर्भ में मित्र और आपके बीच हुई बातचीत को संवाद के रूप में लिखें। (सचित्र)

3. अनुच्छेद लेखन (संकेत बिंदु के आधार पर लिखें):

(क) आतंकवाद की समस्या

संकेत बिंदु-

- भूमिका
- भारत में आतंकवाद
- आतंकवाद के कारण
- समाधान
- उपसंहार

4. प्रतिवेदन लेखन (रिपोर्ट तैयार करें):

(क) साहित्यिक संगोष्ठी 'मानव भारती इंटरनेशनल स्कूल' द्वारा आयोजित दिनकरजयन्ती पर प्रतिवेदन लिखें।

(ख) आपकी कॉलोनी में साफ-सफाई कार्यक्रम आयोजित किया गया, आप उस पर प्रतिवेदन तैयार करें।

# MATHEMATICS

## Number System

- 1. Natural Numbers** – Counting numbers are called natural numbers. We denote this by '**N**'. e.g. 1, 2, 3, 4, ..... etc.
- 2. Whole Numbers** – All counting number together with zero form whole numbers. We denote this by '**W**'. e.g. 0, 1, 2, 3, 4 ..... etc.
- 3. Integers** – All natural numbers, zero and negatives of natural number form integers. We denote it by '**Z**'. e.g. ...., -4, -3, -2, -1, 0, 1, 2, 3, 4 ..... etc.
- 4. Rational Numbers** – Numbers which are in the form of  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$  are called rational numbers. We denote it by '**Q**'. e.g.  $0, \frac{2}{3}, \frac{3}{4}, 2$  etc. The decimal expression of rational numbers is either terminating (ends) or in recurring. e.g.  $0.25, 0.333... = 0.\overline{3}, \frac{22}{7} = 3.\overline{142857}$  etc.
- 5. Irrational Numbers** – A number is called irrational number if it cannot be written in the form of  $\frac{p}{q}$ , where  $p$  and  $q$  are integers and  $q \neq 0$ . The decimal expression of irrational number is neither terminating nor recurring (repeating).  
**e.g.**  $0.01001000100001....., 3.34334333433334....$  (They are non-terminating ad non-repeating decimal),  $\sqrt{2}, \sqrt{3}, \pi$  etc.
- 6. Real Number** – All rational numbers and all irrational numbers form real numbers. So, every real number is either rational or irrational number. We denote it by '**R**'.

### Try these

1. Find a rational number between 3 and 4.
2. Find four rational number between 1 and 2.
3. Find the decimal expansion of :

**i.**  $3\frac{8}{5}$ ,

**ii.**  $\frac{5}{6}$

**iii.**  $\frac{10}{3}$

**iv.**  $\frac{8}{27}$

**v.**  $\frac{7}{8}$

## **SCIENCE**

(i) Refer to your class VIII book and draw the detailed diagram of animal and plant cell. Also draw the diagrams of different organelles (Mitochondria, Golgi bodies, Plastids, Nucleus and Ribosome) and write their functions.

(ii) Write a short note on retro- virus. How they are different from other viruses?

**You can use loose sheets or rough notebook to draw the diagrams, also use color pencils to mark the different parts in your diagram.**

## **SOCIAL SCIENCE**

Identify the following with the help of map reading and write the answers in your note book:

1. The island groups of India lying in the Bay of Bengal and the Arabian Sea.
2. The countries constituting Indian subcontinent.
3. The States through which The Tropic of Cancer passes.
4. The northernmost latitude in degrees.
5. The southernmost latitude of the mainland India in degrees.
6. The eastern and western-most longitudes in degrees.
7. The strait separating Sri Lanka from India.
8. The Union Territories of India.

➤ You can explore various maps of India on  
[https://bhuvan-app1.nrsc.gov.in/mhrd\\_ncert/](https://bhuvan-app1.nrsc.gov.in/mhrd_ncert/)

### **NOTE:**

- THE ASSIGNMENT CAN BE DONE IN ANY NOTEBOOK AVAILABLE AT HOME.
- ALL THE WORK TO BE DONE IN THE SAME NOTEBOOK.
- PARENTS ARE REQUESTED TO ASSIST THE CHILDREN IN EXPLORING INFORMATION FROM INTERNET.
- BRING THE NOTEBOOK WHEN THE SCHOOL REOPENS.

**STAY HEALTHY AND SAFE AT HOME**