NATIONAL PUBLIC SCHOOL
SUMMER ASSIGNMENT 2022–23
CLASS: VIII

ENGLISH :-

'The power of Music' ………. Relate the theme to medical sciences, how music therapy helps in healing. You can write your personal experience also.

HINDI :-

1 किन्ही पाँच पक्षियों के घोंसलों की सचित्र जानकारी दीजिए ।

निर्देश :

   ❖ चित्र रंगीन एवं आकर्षक हों ।

   ❖ प्रत्येक पक्षी की जानकारी अलग-अलग पृष्ठ पर हो ।

   ❖ जानकारी संक्षिप्त किन्तु सारगर्भित हो ।

   ❖ कार्य सफ़ाई से सुव्यवस्थित करें ।

2 दिए गए विषयों पर 100 से 120 शब्दों में अनुच्छेद लिखिए -

1) फैशन की होड़ में बिगड़ता बजट

2) उत्तम स्वास्थ्य में योगा अभ्यास का महत्व

3 दिए गए विषयों पर पत्र लेखन कीजिए -

1) विद्यालय में ग्रीष्मावकाश के दौरान समर कैंप आयोजित करने का अनुरोध करते हुए प्राचार्या महोदया को प्रार्थना पत्र लिखिए ।

2) आपने पहली बार चाय बनाई है । चाय बनाने के अपने अनुभव को बताते हुए बहन को पत्र लिखिए ।

MATHEMATICS:-

1 **Fill in the blanks:-**

1. The rational number _____ has no reciprocal
2. The reciprocal of the reciprocal of a number is _____.
3. The rational number _____ is neither positive nor negative
4. _____ is the only rational number which is equal its additive inverse
5. The product of a number and its reciprocal is _____.
6. _____ is the identity for the addition of rational numbers.

2 **Answer the following:-**

1. What is the multiplicative identity for rational numbers?
2. What is the additive inverse of 3/5?
3. How many reciprocals does zero have?
4. Associative property is not followed by which type of numbers?
5. Give a rational number which when multiply to it gives, the number 1.
6. By what rational number should $\frac{22}{7}$ be divided, to get the number $\frac{-11}{24}$?
7. Represent the following rational numbers on the number lines.
   (i) -3/10   (ii) 8/7   (iii) -5/8   (iv) 21/7
8. If you subtract 1/8 from a number and multiply the result by 1/4, you get 1/16. What is the number?
9. Find two rational numbers between:- (i) -3 and 3.   (ii) 0 and 1
10. Insert six rational numbers between:- (i) -1/4 and -2/5   (ii) 21/12 and 12/21.
11. Find two rational no between 1/8 and 2/9.
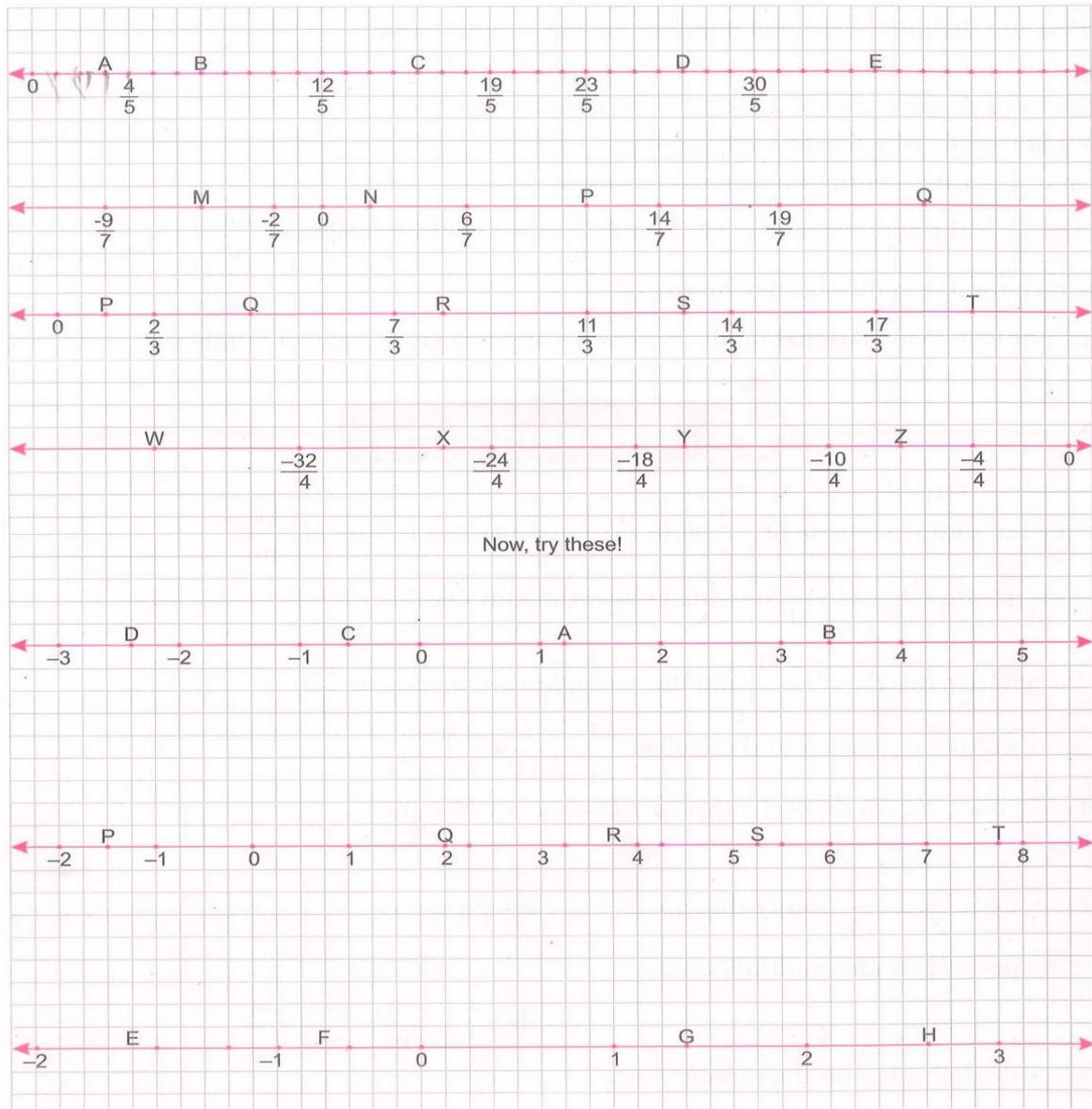
12. Verify that:

(i) $\frac{-1}{2}+\left[\left(\frac{-4}{3}\right)+\frac{3}{7}\right]$ And $\left[\left(\frac{-1}{2}\right)+\frac{3}{7}\right]+\left(\frac{-4}{3}\right)$ are there same

(ii) $\frac{2}{3}\times\left[\frac{-6}{7}+\frac{4}{5}\right]=\left[\frac{2}{3}\times\frac{4}{5}\right]\times\left(\frac{-6}{7}\right)$

Activity

Write a rational number for each point labelled with a letter reffer page number 21, (Use Graph Paper to Perform).

SCIENCE:-

1 **Activity**

Observe your vaccination card and record different types of vaccines, their pathogen (to fight against which microbes) duration of vaccines (life-long working or short-term working vaccines) and number of doses required (multiple doses or single dose). Record observation and make a report.

2 **Writing work:**

Write a short note and draw neat and well labelled diagrams of the following: -

1. Bacteria   2. Fungi   3. Algae   4. Protozoa   5. Viruses   6. Nitrogen cycle

SOCIAL SCIENCE :-

1. Make a list of "The Fundamental Rights" given in the India constitution. Also write about them in your holiday homework copy

2. Draw an attractive/colourful poster of the "Preamble" of India constitution in the holiday home work copy.

3. Interview your mother or another member of your family to find out about their life. Now divide their life into different periods and list out the important events in each period. Explain the basis of your periodisation.

COMPUTER :-

Make a PowerPoint Presentation on **"Computer Network".** In that include different types of network (**LAN, MAN, WAN**) and different networking devices which are used to form a network. Include start, bus, ring topology also. Give Picture/diagram, one advantage and one disadvantage also of each topology . Insert images, hyperlink, animations and transitions.
(Brief introduction of yourself in the 1st slide , about networking from 2nd slide and so on .)

OR

Prepare a project (Model) for different types of topologies.

SANSKRIT :-

(क) पाठ्य पुस्तक में दी गई सूक्तियों में से कोई दो सूक्तियां A-4 साइज की कार्ड शीट पर लिखिए।

(ख) धातुरुपाणि :- अस् व कथ् के धातूरूप पांचों लकारों में संस्कृत उत्तर पुस्तिका (कॉपी) में लिखिए ।

(ग) शब्दरूपाणि :- छात्र व कवि के शब्द रूप याद करना।