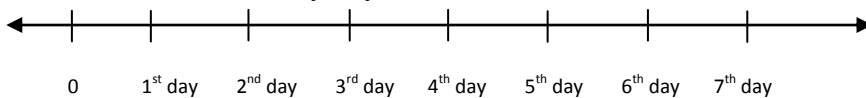**Class VII**

ENGLISH-

1. Compose a poem that captures the essence of trip you want, using vivid imagery and descriptive language.
2. Give a character sketch of Rabindra Nath Tagore.
   i) Background ii) Physical Appearance iii) Personality traits iv) Notable work
   v) Achievements
3. The fire is good servant but bad master which means the fire is very useful as long as it is kept under control. Suggest four uses of fire and three ways to put out the fire. Compare the ways of putting out fire between past and present.
4. Write a speech on "Healthy mind dwells in Healthy body".
5. Inspired by a poem "Trees" from your text book write a short poem on 'Forest'.
6. Collect four articles on excess use of mobile is harming eyes and a brain.

MATHEMATICS-

1. Draw a square of 5 cm draw four lines of symmetry passing through its center. Write your observations. Mention some symmetrical alphabets. e.g. A, H…..
2. Represent the number of males and females for 4 neighboring countries of India by double bar graph using colorful paper.
3. The circumference of a circle exceeds its diameter by 30 cm. Find the radius.
4. If N is a natural number then $(7N^2 + 7)$ will be completely divided by.
   i) 14 ii) 7 iii) both (i) & (ii) iv) None of these
5. Arrange following in ascending order
   i) -2/5, -1/5, -1/4, -2/6
   ii) -2/3, -3/4, -1/2, 5/-6
6. From the sum of $2x + 3y – 5$ and $2y – 12 + 3x$, subtract the sum of $5x – 10 + 3y$ and $12x + 10y – 10$.
7. **The Cycle Girl**
   Jyoti Kumari, 'The Cycle Girl', bicycled about 1200 km with her injured father from Gurugram, a city near Delhi, to reach their village at Darbhanga district in Bihar during Covid-19 lockdown in 2020. She was conferred with the 'Paradhan Mantri Bal Puraskar'.
   Her complete journey of seven days is represented on a number line shown below assuming that she covers the same distance every day.

   Answer the following questions.
   i) The fraction of the part of her complete journey that she covers on the 4 th day is
      a) 1/2 b) 1/3 c) 1/4 d) 4/7
   ii) By the 3rd day, she had covered 3/7 parts of her total journey. Three equivalent fractions of 3/7 are
      a) 1/7, 3/7, 6/7 b) 6/14, 9/21, 12/28 c) 3/7, 3/14, 6/14 d) 6/7, 9/7, 12/7
   iii) On the 1st day, she had covered 1/7 part of her journey and in the next three days, she covered 3/7 part more. The fraction of total distance she covered in four days is
      a) 1/7 b) 2/7 c) 3/7 d) 4/7
   iv) By the 2nd, 5th and 6th day of her journey, she had covered 2/7, 5/7and 6/7 parts respectively. In ascending order, these fractions can be arranged as
      a) 2/7 > 5/7 > 6/7 b) 2/7 > 6/7 > 5/7 c) 2/7 < 5/7 < 6/7 d) 6/7 < 5/7 < 2/7

SCIENCE-

1. **Define**
   i) Anaerobic respiration ii) Cellular respiration iii) Pollination
   iv) Vegetative propagation
2. Generally, in towns and cities, the bore wells have to be dug very deep to get water as compared to bore wells dug in villages. Give suitable reasons.

3   Visit a doctor. Learn about the harmful effects of smoking. You can also collect materials on this topic from other sources. You can seek help of your teacher or parents. Find out the percentage of people of your area who smoke. If you have a smoker in your family, confront him with the material that you have collected.

4   Draw a neat and labelled diagram depicting circulation of blood in the human body.

5   Write an experiment to show that light travels in a straight line.

6   Prepare a model on waste water treatment plant by using waste materials like used battles, stew, colored papers, cardboard etc.

7   **Case study**
Aim: To study the growth of fungi.
Material required: A piece of bread, water and a box with lid
Procedure: Moisten the bread with water and keep it in a closed box at a warm place for a few days.
Answer the following questions
a) What changes do you notice on bread after a few days ?
b) Why does it happen ?
c) What do you call the formation of fungi ?
d) Is that spoilage edible ?

SOCIAL SCIENCE-

1   **Define**
i)   Sedimentary rocks   ii) Seismograph   iii) Insolation Precipitation
iv) Atmosphere Pressure

2   With the help of diagram, highlight the different climatic zones of India.

3   Complete the chart below

Kings	Period they Ruled
Gurjara- Pratiharas	
Chauhans	
Paramaras	
Chandelas	
Cholas	
Rashtrakutas	
Palas	

4   Take a molding clay and try to form different types of landforms on earth.

5   **Case Study:**
A severe earthquake of 7.8 magnitude struck the thousand the city of Kathmandu in central Nepal on April 25, 2015. About 9,000 people were killed, many thousands were injured, and more than 600,000structures in Kathmandu and other nearby towns were destroyed. The earthquake was felt throughout central and easternNepal, in northern India and north-western Bangladesh, as well as in the southern parts of the Plateau of Tibet and western Bhutan.
The earthquake produced landslides that devastated villages and some densely populated parts of Kathmandu. A number of historic buildings were destroyed. Among them was the Dharahara tower, with many feared trapped in its ruins. The earthquake also triggered an avalanche on Mount Everest that killed at least 19 climbers and stranded hundreds more at Everest Base Camp and at camps higher up the mountain.
a) The earthquake triggered an avalanche on Mount Everest. What do you think why this had happened ?
b) What precautions do you suggest people to prevent themselves from being damaged caused by earth quake ?
c) What causes the earth quake ?

HINDI-

1   आप कपिल हैं। आपका चयन गोदरेज के सी.ई.ओ के रूप में हुआ है। आप अपनी कंपनी को बहुराष्ट्रीय स्तर पर ले जाना चाहते हैं।
क) आप इसके लिए बहुराष्ट्रीय कंपनियों की कार्यशैली को अपनाएँगे।
ख) आप अपनी कंपनी की कार्यशैली व कर्मचारियों, दोनों के लिए कार्य करेंगे।
ग) आप केवल कंपनी के लिए कार्य करेंगे।
उपरोक्त में से आप क, ख और ग में किसका चयन करेंगे और क्यों अपने विचार लिखिए।

2   **समस्या समाधान**

आप पढ़ने में अव्वल दर्जे के हैं लेकिन आपकी आर्थिक स्थिति सही नहीं है। जिसके कारण आप पढ़ाई को सुचारू रूप से जारी नहीं कर पा रहे हैं।

क) ऐसे कौन कौन से बिंदु होंगे। जिसे आप अपने विद्यालय प्रबंधन अधिकारी जी के सामने रखेंगे। जिससे वे आपको निःशुल्क शिक्षा प्रदान करने के लिए तैयार हो जाए। कारण सहित लिखिए।

3   **सार्वजनिक बोल**

आपके विद्यालय में अंतरविद्यालयी बैडमिंटन प्रतियोगिता आयोजित हो रही है। जिसमें अतिथि के रूप में जिलाधिकारी पहुंचते हैं। उनका परिचय आप किस प्रकार देंगे।

4   आप दिल्ली भ्रमण के लिए गए हैं। वहाँ आप दो दिन ठहरे वहाँ आपने लालकिला देखा तथा शहर घूमा। इन दो दिनों की डायरी लिखिए।

5   अपनी कल्पना शक्ति के आधार पर नीचे दिए गए स्थानों की सुबह कैसी होती होगी लिखिए और उसे चित्रित भी कीजिए।

क) गाँव गली या मोहल्ले में

ख) नदी या समुद्र के किनारे

ग) रेलवे प्लेटफॉर्म पर

घ) पहाड़ों पर

COMPUTER-

1   Write down the tags required for creating a table in HTML.
2   What is the type attribute in <OL> and <UL> tags?
3   Write the naming rules for Python Programming Language.
4   **Define**
i)   Artificial Intelligence
ii)   DBMS
5   **AIL**
Write an HTML code to create the following web page.