



SACRED HEART SCHOOL

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SUMMER VACATION (2020-21)

Class – VIII

Math

1. Explain in brief “THE INTRODUCTION OF A NATURAL NUMBER” by ARYABHATTA THEORY and state their classification also.
2. Define the following terms with examples:
 - I. Real number
 - II. Imaginary number.
 - III. Terminating Rational number.
 - IV. Non-terminating rational number.

3. What are Rational and Irrational number? State their kinds and explain about positive rational number and negative Rational number with example.

4. Using appropriate properties, find the value of :

$$(i) \frac{-2}{3} \times \frac{3}{5} + \frac{5}{2} - \frac{3}{5} \times \frac{1}{6} \quad (ii) \frac{2}{5} \times \left(\frac{-3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{3}$$

5. Arrange the numbers in ascending order:

$$\frac{-3}{5}, \frac{7}{10} \text{ and } \frac{5}{8}$$

6. Arrange the numbers in descending order:

$$-2, \frac{-13}{6}, \frac{8}{-3}, \frac{1}{3}$$

7. Represent $\frac{2}{3}$ and $\frac{-2}{3}$ on the number line.

8. Find a Rational number between $\frac{1}{4}$ and $\frac{1}{2}$ and show on a number line.

9. Find the sum of: $\frac{-9}{16} + \frac{5}{12} + \frac{4}{9} + \frac{-4}{15}$

10. Evaluate: $\frac{3}{5} + \frac{7}{3} + \frac{-11}{5} + \frac{-2}{3}$

11. The sum of two Rational numbers is -5; if one of them is $\frac{-13}{6}$. Find the other.

12. What should be subtracted from $\frac{-5}{7}$ to get 1?

13. The product of two Rational numbers is $\frac{28}{27}$. if one of the numbers is $\frac{-4}{9}$. Find the other.

14. Fill in the blanks:

- I. Zero has.....reciprocal.
- II. Reciprocal of $\frac{1}{x}$ where $x \neq 0$ is
- III. The reciprocal of the Rational is.....
- IV. The reciprocal of -5 is

15. Exercise – 1.1 and 1.2 (NCERT Book) do full.

Science

- (1) What is water logging? Write its impact.
- (2) Explain nitrogen cycle.
- (3) Why are viruses said to be the border line dividing the living things from non-living things?
- (4) Write the uses of rayon, nylon and polyester.
- (5) Write an activity to separate healthy seeds from the damaged ones.
- (6) Why are threads of gold and silver used in embroidery works like zardozi or mukaish?
- (7) Learn the questions and answer of chapter 3 and chapter 4 from NCERT Section of **Prachi Science In depth book**.

Hindi

- 1.लॉक डाउन के किन्ही पांच दिनों की दिनचर्या को अपने शब्दों में लिखें।
- 2.मशीनों ने बदलू के जीवन को बदल दिया था। आज मशीनों का प्रभाव हमारे जीवन पर भी पड़ रहा है। हमारे जीवन पर पड़ने वाले मशीनों के प्रभाव को अपने शब्दों में लिखें।
- 3."बस की यात्रा" कहानी में "सविनय अवज्ञा आंदोलन" की चर्चा हुई है। सविनय अवज्ञा आंदोलन कब, क्यों और किन के नेतृत्व में चलाया गया था? जानकारी प्राप्त कर लिखें।
- 4.आपने "चिट्ठियों की अनूठी दुनिया" पाठ को पढ़ा है। पाठ को आधार बनाकर एक डाकिया की तस्वीर बनाकर "हमारे जीवन में उनकी भूमिका" पर एक अनुच्छेद लिखिए।
- 5."पहाड़ से ऊंचा आदमी" में दशरथ मांझी की चर्चा की गई है। दशरथ मांझी के जीवन क्रम को अपने शब्दों में लिखें।
- 6."ध्वनि" कविता को याद करें और कविता में निहित संदेशों को अपने शब्दों में लिखें।
7. कवि ने ऐसा क्यों कहा है कि अभी उसका अंत नहीं होगा?
- 8."दीवानों की क्या हस्ती" कविता को याद कर उसके अर्थ अपने शब्दों में लिखें।

Social Science

1. What do you think would be examples of primary sources for the ancient period?
2. Enlist any ten famous monuments of India along with the name of the rulers who built it.
3. Why do you think the Nawabs of Bengal were against the British fortifying their settlements?
4. Write a short note on the subsidiary alliance.
5. Explain the types of soil found in India.
6. Why is conservation of water essential?
7. Explain the effects of air pollution on the life of human being. Give some measures to reduce pollution.
8. Write a short note on the Salt Satyagraha.
9. Write the preamble of the constitution and learn the same.

PROJECT WORK

* Find out any five non-renewable resources and prepare a chart mentioning the best use of each mineral.

* Learn all the questions answer of ch. 1 and 2 of history, civics and geography.

English

Answer these questions:

1. What kind of gifts do you like and why?
2. Imagine that you are Jim and you have returned to your town after the war . Now write a diary entry describing your feelings about the changes you see.
3. Write a story on the poem "The Ant and the Cricket " .
4. The story "The Tsunami" shows how a little girl saved the lives of many tourists when tsunami struck. Suppose you have also helped someone in any way. Write your experience in a paragraph of about 150 words.
5. There are broadly two categories of people those who prefer to do today and those who prefer to do tomorrow. Where do you belong and why?
6. Can the story "How the Camel got his hump" be factually true? Give your reasons.
7. Write an article on the topic:- " Child Labour- a Crime".
8. Write and learn twenty idioms and proverbs.

Sanskrit

1. 'सुभाषितानि' पाठ से सभी श्लोक और उसके अर्थ याद करें।
2. सभी सन्धि नियमों को याद करें और सभी नियमों के पाँच-पाँच उदाहरण लिखें।
3. 'पञ्चतंत्र' किसी कहानी को सचित्र वर्णन करें।
4. पाठ – 2 'बिलस्य वाणी न कदापि में श्रुता' पाठ के सारांश को हिन्दी में लिखें।
5. 'विष्णु अवतार से किन्हीं दो अवतारों का वर्णन करें।

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