SANSKAR SCHOOL
HOLIDAY HOMEWORK (2019-20)
CLASS-VIII

NOTE: The following Holiday Homework should be done in the respective subject notebooks.

1. ENGLISH

WORKSHEET 1
1.Design a poster highlighting the importance of saving the endangered species - The Gharial, also suggest a few measures of saving it.

WORKSHEET 2
1.Write a letter of complaint to the Senior Manager of LG Home Appliances unit, Chennai complaining against a faulty washing machine purchased from their authorized dealer.

WORKSHEET 3
1.Design a recipe booklet of your own, which includes 10 of your favourite recipes.

WORKSHEET 4
1.Write a biography of any known legend / personality belonging to any field.

WORKSHEET 5
1.Write a slogan highlighting the importance of world peace.

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2. HINDI

कार्यपत्रक 1-
प्रशन -1भारतीय ऋतुओं को चित्र सहित समझाते हुए उनके विषय में लिखिए |

कार्यपत्रक 2-
प्रशन 2–‘ मेरे सपनों का भारत ‘ विषय पर अनुच्छेद लिखिए|(शब्द सीमा (100- 80

कार्यपत्रक 3-
प्रशन -3निम्न में से किसी एक विषय पर स्वरचित कविता लिखिए |

   (i) देशभक्ति

   (ii) मेरी खुशियां

   (iii) मित्रता

कार्यपत्रक 4-
प्रशन -4अपनी मनपसन्द कहानी चित्र सहित लिखें तथा उससे प्राप्त सीख लिखें |

कार्यपत्रक 5-
प्रशन 5– चित्रों को देखकर उनसे संबंधित मुहावरे लिखें तथा वाक्य में प्रयोग करें |

3. SANSKRIT

1 जीवनस्य पथप्रदर्शकानां पंच सूक्तीनां संग्रहं कृत्वा लिखत ।

2 वृक्षाणां महत्वस्य विषये पंच वाक्यानि लिखत ।

3 कल्पनां कुरु त्वम् एकः खगः असि । स्वविषये लिख ।

पदानि –(खगः, उत्पतामि, आकाशे, अन्नम्, वृक्षाणाम्, नीडानि,तापः,अभावः, वृक्षान्, ग्रामे, नगरे, पातयति)

4 अधोलिखितानां वाक्यानां संस्कृतेन अनुवादं कुरुत ।

1 वे सब पुस्तकालय में पढ रहे हैं ।

2 हम सब गाँव जाएँगें ।

3 हम सब घूम रहे थे ।

4 तुम दोनो भोजन कर रहे हो ।

5 वे दोनो उद्यान में खेल रहे है ।

6 बालक ने खाना खाया ।

7 पक्षी आकाश मे उड रहे हैं।

8 विद्यालय के चारो ओर वृक्ष हैं ।

9 हम सब ईश्वर को नमस्कार करते हैं ।

10 वे सब घर जाते हैं ।

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4. SCIENCE

Worksheet-1 (Chapter-1: Habitat)

Q.1 Why is it necessary to dry the harvested food grain before storage?

Q.2 What is ploughing? Name 2 instruments used for ploughing.

Q.3 Define manure. What are the advantages of manure?

Q.4 Rita lives in northern India and her father is a farmer. She asks her father to grow legumes as fodder in one season and wheat in one season.

  (a) What is this practise known as?

  (b) How does this practise help in replishing the soil?

  (c) What values are exhibited by Rita?

Q.5 Prepare a collage on traditional and modern method of irrigation.

Worksheet-2 (Chapter-2: Disease Causes)

Q.1 What is meant by fermentation? Name the scientist who discovered fermentation. Which microorganism converts sugar into alcohol during fermentation?

Q.2 What is vaccine? How does a vaccine work?

Q.3 Why should we not let water get collected anywhere?

Q.4 Dev was helping his brother prepare mango pickle. After he bottled the pickle, Dev suggested his brother to pour oil on top of pickle before closing the lid.

  (a) Why did Dev ask his brother to do so?

  (b) What values are exhibited by Dev?

Q.5 Based on Microorganism study draw a table indicating the following thing

Category	Name of Microorganism	Habitat	Disease Caused	Diagrammatical Representation

Worksheet-3 (Chapter-3)

Q.1 What is PET? State uses of PET.

Q.2 How does manufacturing of synthetic fibre help in conservation of forest?

Q.3 Explain the 3R principle.

Q.4 Kaveena was writing a note on 'Plastics'. She got confused while writing about ways to minimise the use of plastics. Her sister Kareena helped her by starting some ways. Write 4 ways which Kareena might have mentioned.

Q.5 Draw a poster on "Say No to Plastic". Write a slogan on it.

Worksheet-4 (Chapter-18)

Q.1 Explain 'Carbon dioxide contribute in global warming'.

Q.2 Mention traditional & modern methods to purify water.

Q.3 What happened in Bhopal in 1984?

Q.4 Write a self-composed poem of about 8 lines on "Conservation of Water". Draw a poster on it.

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5. MATHEMATICS

Worksheet -1 Chapter – 1   Rational Numbers

1. Find three rational numbers between -2 and 7.

2. Let a, b ,c be three rational numbers where $a = \frac{2}{3}$, $b = \frac{4}{5}$ and $c = \frac{5}{6}$.

   Verify :   (i) $a + (b + c) = (a + b) + c$ (Associative property of addition)

   (ii) $a \times (b \times c) = (a \times b) \times c$ (Associative property of multiplication)

3. Find the product of additive inverse and multiplicative inverse of $\frac{-1}{3}$.

4. One fruit salad recipe requires $\frac{1}{2}$ cup of sugar. Another recipe for the same fruit salad requires 2 tablespoons of sugar. If 1 tablespoon is equivalent to $\frac{1}{16}$ cup, how much sugar does the first recipe require.

5. Identify the rational number that does not belong with the other three. Explain your reasoning.
   $$\frac{-5}{11}, \frac{-1}{2}, \frac{-4}{9}, \frac{-7}{3}$$

6. If $\frac{1}{891} = 0.00112233445566778899……..$, then what is the value of $\frac{198}{891}$

7. What is the value of $\frac{1}{5} \div \frac{1}{5} \div \frac{1}{5} \div \frac{1}{5} \div \frac{1}{5} \div 5 \div 5 \div 5$?

8. The table given below shows the distances , in kilometres, between four villages of a state. To find the distance between two villages, locate the square where the row for one village and the column for the other village intersect.

   (i) Compare the distance between Himgaon and Rawalpur to Sonapur and Ramgarh.

   (ii) If you drove from Himagaon to Sonapur and then from Sonapur to Rawalpur, how far would you drive ?

	Sonapur	Ramgarh	Himgaon	Rawalpur
Sonapur		$40\frac{2}{3}$	$100\frac{5}{6}$	$16\frac{1}{2}$
Ramgarh	$40\frac{2}{3}$		$210\frac{3}{8}$	$16\frac{2}{3}$
Himgaon	$100\frac{5}{6}$	$210\frac{3}{8}$		$98\frac{3}{4}$
Rawalpur	$16\frac{1}{2}$	$30\frac{2}{3}$	$98\frac{3}{4}$	

9. The diagram shows the wingspans of different species of birds. Use the diagram to answer the questions given below.

(i) How much longer is the wingspan of an Albatross than the wingspan of a sea gull?

(ii) How much longer is the wingspan of a Golden Eagle than the wingspan of a Blue jay?

Worksheet -2 Chapter – 2 Exponents And Powers

1. Find the value of x for the expression $3^{5x-1} \div 27 = 3^{-5}$
2. What is the value of 'k' if 385600000 is written in the form $k \times 10^n$ with n=7 ?
3. What is the value of $(6^{-1} + 8^{-1} + 12^{-1})^0$
4. Express 300970000 in standard form.

5. What is the reciprocal of $\left(\frac{8}{5}\right)^{-4}$

6. What is the multiplicative inverse of $\left(\frac{-5}{9}\right)^{-99}$

7. What is the usual form for 2.3×10^{-10}
8. What is the expression for 4^{-3} as a power with the base 2.
9. By what number should we multiply -29^0 so that the product becomes 29^0.
10. Express 16^{-2} as a power with the base 2.

Worksheet -3 Chapter – 2 Exponents And Powers

1. Express $\frac{16}{81}$ and $\frac{-8}{27}$ as powers of a rational number.

2. Express as a power of a rational number with negative exponent $\left[\left(\frac{-3}{2}\right)^{-2}\right]^{-3}$

3. Find the value of x so that $\left(\frac{5}{3}\right)^{-2} \times \left(\frac{5}{3}\right)^{-14} = \left(\frac{5}{3}\right)^{8x}$
4. Find the multiplicative inverse of $(-7)^{-2} \div (90)^{-1}$

5. Express $\frac{1.5 \times 10^6}{2.5 \times 10^{-4}}$ in standard form.
6. Express each of the following in standard form:
    (i) The mass of a proton in gram is $\frac{1673}{10000000000000000000000000000}$
    (ii) Mass of a molecule of hydrogen gas is about 0.00000000000000000000334   tons.
7. If $a = -1 , b = 2,$ then find the value of (i) $a^b - b^a$ (ii)$a^b \div b^a$

Worksheet -4 Chapter – 2 Exponents And Powers

1. Simplify $\left[\left(\frac{-2}{3}\right)^{-2}\right]^{3} \times \left(\frac{1}{3}\right)^{-4} \times (3)^{-1} \times \frac{1}{6}$

2. Simplify $\dfrac{49 \times z^{-3}}{7^{-3} \times 10 \times z^{-5}}$

3. By what number should $(-8)^{-3}$ be multiplied so that the product may be equal to $(-6)^{-3}$

4. In a stack there are 5 books each of thickness 20 mm and 5 paper sheets each of thickness 0.016 mm. What is the total thickness of the stack?

5. The size of a red blood cell is 0.000007 m and the size of a plant cell is 0.00001275 m. Compare these two.

6. By what number should $\left(\frac{-3}{2}\right)^{-3}$ be divided so that the quotient may be $\left(\frac{4}{27}\right)^{-2}$?

7. What is the value of $\left(x^{\frac{b+c}{c-a}}\right)^{\frac{1}{a-b}} \left(x^{\frac{c+a}{a-b}}\right)^{\frac{1}{b-c}} \left(x^{\frac{a+b}{b-c}}\right)^{\frac{1}{c-a}}$

Worksheet -5 Chapter – 3 Square And Square Roots

1. Express 49 as the sum of 7 odd numbers.
2. How many numbers lie between squares of 25 and 26.
3. What can be the possible one's digit of the square root of 9801 ?
4. A square board has an area of 144 square units . How long is each side of the board?
5. Given that $\sqrt{4096} = 64,$ find the value of $\sqrt{4096} + \sqrt{40.96}$.
6. Write a Pythagorean triplet whose one number is 6 .
7. What will be the number of unit squares on each side of a square graph paper if the total number of unit squares is 256 ?
8. Find the length of the side of a square whose area is 441 m^2.
9. In a right angle triangle ABC, $\angle B = 90°$. If AB = 6 cm , BC = 8 cm, find AC.
10. Find three numbers in the ratio 2 : 3 : 5, the sum of whose squares is 608.

6. SOCIAL SCIENCE

History (Ch-2: From Trade to Territory)

1 Which discovery drew the European trading companies to India?
2. Which Mughal emperor granted the British the right to trade in Bengal, Bihar and Orissa?
3. Which Europeans were the first to arrive in India?
4. When was the Battle of Plassey fought? Who was involved in it?

Civics (Ch-1: The Indian Constitution)

1. What would happen if there were no restrictions on power of elected representatives?
2. What is the purpose of including the fundamental rights in the Indian Constitution?
 Write The fundamental rights listed in the Indian constitution.
3. Enumerate the basic outlines of various laws that have been brought into effect to curb the practice of dowry.
4. What do you mean by dissent? Think of a situation where a law can violate your interest. How will you express your dissent?

Goegraphy (Ch-1: Resources)

1. Mention five characteristics that constitute a resource.
2. Why do we need to conserve resources?
3. Which famous report on sustainable development was titled 'Our Common Future'.
4. In daily life you make use of many things. Make a list of these items and state the resources from which they are obtained. Collect pictures and make a collage of it.

Activity Chapters

(History Ch-1) Can you think of examples of survey in your world today? Think about how toy companies get information about world young people enjoy playing with it during British period. What can a historian derive from such survey?

(Civics Ch-2) Look up the annual calendar of holiday of our school. How many of them pertain to different religions? What does this indicate?

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7. COMPUTER SCIENCE

1. The student will make a PowerPoint presentation on the **"Water Conservation & Purification".**
2. They have to prepare a total of 10 slides in which 8 slides must contain the content and there must be one covering slide and one slide for acknowledgement.
   - Total number of slides:- 12
   - Content:- 10
   - Covering slide:- 1
   - Acknowledgement:- 1
3. Students need to submit their PowerPoint presentations in softcopies with the help of pen drive so that it can be accessed by the respective teacher.