

ARMY PUBLIC SCHOOL JHANSI

SESSION 2021 – 22

CLASS - VIII

It's summer time, school vacation has begun, Its time to play and have fun INDOORS. Time to spend

Happy Holidays

Dear Student,

- Summer Vacation is the best and the most fruitful time for learning and nurturing creativity. Keeping this objective in mind we have planned diverse and exciting activities that will enhance your knowledge and boost your creativity.
- "Knowledge is Power". Therefore read lots and lots of books to cultivate the reading habit and develop your vocabulary, language skills, increase your attention span and improve your spellings.
- "A healthy mind lives in a healthy body". So play the sport of your choice INDOORS. It will help to instill discipline, generate sporting spirits and channelize your energies constructively.
- Get up early in the morning and see the rising sun. Do indoor exercises / yoga and stay healthy and fit. Spend quality time with your elders and share your thoughts and ideas with them.
- Eat healthy food and drink lots of water during summer.
- Integrating curriculum helps students deepen their understanding of the subject matter and comprehend relationship between different areas of study. This year's holiday homework has been designed keeping this interdisciplinary aspect in mind.

Principal

English-

Q1. Practise letter writing-

A. Write an application (letter) to the Mayor of the municipality of your colony asking him to provide street lights in your locality.

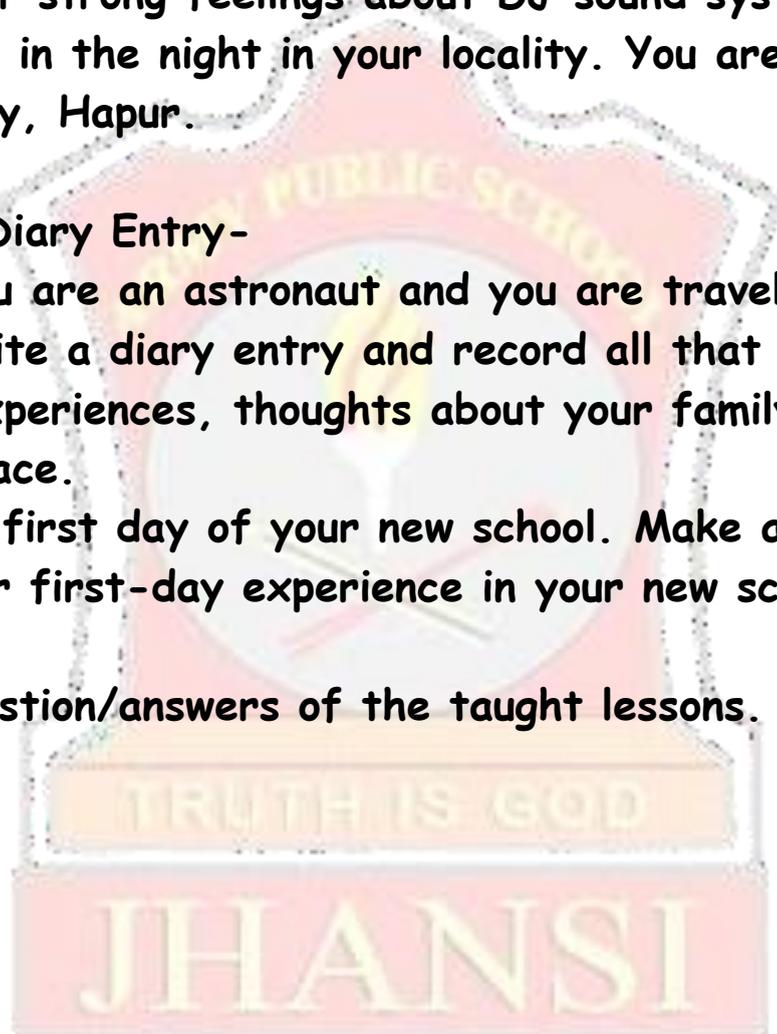
B. Write a letter to the editor of 'The Times of India', expressing your strong feelings about DJ sound system being played till late in the night in your locality. You are Prakash of 74, Shiv Colony, Hapur.

Q2. Practise Diary Entry-

A. Imagine you are an astronaut and you are travelling in a spaceship. Write a diary entry and record all that you see in space, your experiences, thoughts about your family, the view of earth from space.

B. It was the first day of your new school. Make a diary entry describing your first-day experience in your new school.

Q3. Learn question/answers of the taught lessons.



Hindi-

वसंत पाठ - दो और तीन के शब्दार्थ एवं प्रश्न उत्तर याद करें तथा अपनी पुस्तिका में दो बार लिखें।

भारत की खोज के पाठ 1 से 5 तक पाठन करेंगे तथा कठिन शब्दों को पुस्तक में रेखांकित कर उसका उच्चारण कर उन शब्दों को पुस्तिका में लिखेंगे।

व्याकरण निकुंज-

- * पर्यायवाची शब्द- अमृत से तरंग तक याद करके कॉपी में लिखें। (पेज नंबर 76)
 - * विलोम शब्द- अर्थ से उत्थान तक याद करके कॉपी में लिखें। (पेज नंबर 81)
 - * अनेक शब्दों के लिए एक शब्द- (1) कानून के विरुद्ध से (24) इतिहास से संबंध रखने वाला तक याद करके कॉपी में लिखें। (पेज नंबर 101)
 - * एकार्थी शब्द- अधिक से आज्ञा तक याद करके पुस्तिका में लिखें। (पेज नंबर 90)
 - * अनेकार्थी शब्द- अर्थ से घन तक याद करके पुस्तिका में लिखें। (पेज नंबर 85)
 - * क्रियाकलाप- * छात्र कोरोना महामारी के बचाव हेतु अपने मित्र को एक पत्र लिखें।
 - * छात्र अपने ग्रीष्मावकाश के अनुभव को एक अनुच्छेद के रूप में लिखें।
 - * छात्र कांच अथवा लाख की चूड़ियों से कोई वस्तु बनाएं। (जैसे+ वॉल हैंगिंग, सीनरी, पेन स्टैंड आदि)
- (छात्र ग्रीष्मावकाश का कार्य एक पतली पुस्तिका में करेंगे।)



Mathematics-

QA VALUE BASED QUESTIONS OF CHAPTER
1,2AND 3

Chapter 1. Rational Numbers

Q1 Name the property under multiplication used in each of the following:

(i) $\frac{-8}{9} \times 1 = 1 \times \frac{-8}{9} = \frac{-8}{9}$

(ii) $\frac{-21}{23} \times \frac{-3}{7} = \frac{-3}{7} \times \frac{-21}{23}$

(iii) $\frac{-17}{25} \times \frac{25}{-17} = 1$

Q2 Write five rational numbers greater than 5 with common denominators.

Q3 Write an equivalent rational number for each of the following rational numbers. Fill in the blanks shown below with the corresponding letter found below each answer. What you will find is the name of a famous author of children's books who was born almost a hundred years ago.

N	B	Y	L	E					
$\frac{3}{8} = \frac{?}{16}$	$\frac{14}{20} = \frac{?}{10}$	$\frac{3}{6} = \frac{?}{12}$	$\frac{1}{3} = \frac{?}{6}$	$\frac{6}{8} = \frac{?}{24}$					
I	T	D	O	N					
$\frac{5}{10} = \frac{?}{20}$	$\frac{7}{8} = \frac{?}{16}$	$\frac{8}{10} = \frac{4}{?}$	$\frac{1}{4} = \frac{4}{?}$	$\frac{8}{36} = \frac{32}{?}$					
$\frac{18}{24}$	$\frac{6}{16}$	$\frac{10}{20}$	$\frac{4}{5}$	$\frac{7}{10}$	$\frac{2}{6}$	$\frac{6}{12}$	$\frac{14}{16}$	$\frac{4}{16}$	$\frac{36}{162}$

Q4 Write four rational numbers between $\frac{1}{3}$ and $\frac{1}{2}$

Q5 What must be added to $\frac{-3}{8}$ to get $\frac{5}{16}$?

Q6 What must be subtracted from $\frac{-2}{3}$ to get $\frac{3}{5}$?

Q7 Write a rational number equivalent to $\frac{4}{7}$ with

- (i) numerator 20
- (ii) denominator 28

Q8 Write the following numbers in descending order

$$\frac{1}{3}, \frac{5}{6}, \frac{7}{9}, \frac{10}{27}, \frac{-5}{12}, \frac{-2}{3}$$

Q9 Compare the following pairs of rational numbers $\frac{2}{5}$ and $\frac{3}{4}$.

Q10 Find the missing entries in the following table:

Fraction in Standard	Numerator	Denominator	Sign of the rational number
$\frac{3}{8}$		24	
$\frac{7}{6}$	84		Positive
$\frac{5}{8}$	-5	-8	

Q11 State whether each of the following is true or false. Correct the statements which are false

1. $\frac{-3}{8} \geq 0.$

2. If $\frac{1}{2} > \frac{1}{3},$

Q12 Represent the following numbers on the number line

(i) $\frac{-7}{10}$ (ii) $\frac{-5}{6}$

Q13 Represent rational numbers between $\frac{1}{2}$ and $\frac{3}{4}$ on the number line.

Chapter 2 Value based questions

Q1 Identify the algebraic linear equations from the given expressions.

(a) $x^2 + x = 2$

(b) $3x + 5 = 11$

(c) $5 + 7 = 12$

(d) $x + y^2 = 3$

Q2 Check whether the linear equation $3x + 5 = 11$ is true for $x = 2.$

Q3 Form a linear equation from the given statement: 'When 5 is added to twice a number, it gives 11.'

Q4 If $x = a,$ then which of the following is not always true for an integer $k.$ (NCERT Exemplar)

(a) $kx = ak$

(b) $xk = ak$

(c) $x - k = a - k$

(d) $x + k = a + k$

Q5 Solve the following linear equations:

(a) $4x + 5 = 9$

(b) $x + 32 = 2x$

Q6 Solve the given equation $31x \times 514 = 1712$

Q7 Verify that $x = 2$ is the solution of the equation $4.4x - 3.8 = 5$.

Q8 The angles of a triangle are in the ratio $2 : 3 : 4$. Find the angles of the triangle.

Q9 The sum of two numbers is 11 and their difference is 5. Find the numbers.

Q10 If the sum of two consecutive numbers is 11, find the numbers.

Q11 The breadth of a rectangular garden is $\frac{2}{3}$ of its length. If its perimeter is 40 m, find its dimensions.

Q12 The difference between two positive numbers is 40 and the ratio of these integers is 1 : 3. Find the integers.

Q13 The sum of a two-digit number and the number obtained required by reversing its digits is 121. Find the number if its unit place digit is 5.

Q14 If the length of the rectangle is increased by 40% and its breadth is decreased by 40%, what will be the percentage change in its perimeter?

Q15 A fruit seller buys some oranges at the rate of ₹ 5 per orange. He also buys an equal number of bananas at the rate of ₹ 2 per banana. He makes a profit of 20% on oranges and a profit of 15% on bananas. In the end, he sold all the fruits. If he earned a profit of ₹ 390, find the number of oranges.

Q17 A steamer goes downstream from one point to another in 7 hours. It covers the same distance upstream in 8 hours. If the speed of stream be 2 km/h, find the speed of the steamer in still water and the distance between the ports.

Chapter 3. Understanding Quadrilaterals

Q1 A quadrilateral has three acute angles, each measures 80° . What is the measure of the fourth angle?

Q2 In a quadrilateral ABCD, the measure of the three angles A, B and C of the quadrilateral are 110° , 70° and 80°

respectively. Find the measure of the third angle.

Q3 The angles of a quadrilateral are in the ratio 1:2:3:4. What are the measures of the four angles?

In a quadrilateral

(I) of them have their diagonals bisecting each other?

(II) which of them have their diagonals perpendicular to each other?

(III) which of them have equal diagonals?

Q2 Practice all questions given under heading "try these" of ch 1, 2 and 3 from ncert.

Q3 Make project on quadrilaterals Can be working / non working model/ chart/ quadrilateral formed by matchsticks/ broomstick/ cardboard/ thermocol, etc

A Practice all questions given under heading "try these" of ch 1, 2 and 3 from ncert.

B Make project on quadrilaterals Can be working / non working model/ chart/ quadrilateral formed by matchsticks/ broomstick/ cardboard/ thermocol, etc.

Science-

CHAPTER 1- CROP PRODUCTION AND MANAGEMENT

1. "Farmers are advised by experts to use more of manures than fertilizers. However, sometimes fertilizers are added by farmers for a reason."

(a) Write about manure, compost and fertilizer. (Two points each)

(b) Write one advantage and one disadvantage of using manure and fertilizer.

(c) What precaution must the farmer take during application of fertilizers and weedicides in the field?

2. There are animals that destroy the crop before it is harvested. Farmers find it difficult to protect the crops from these animals, insects and microorganisms. Provide information to your classmates by answering the questions.

(a) What are these animals/insects called? Name few that ruin the standing crops.

(b) What methods do the farmers employ to protect their crops?

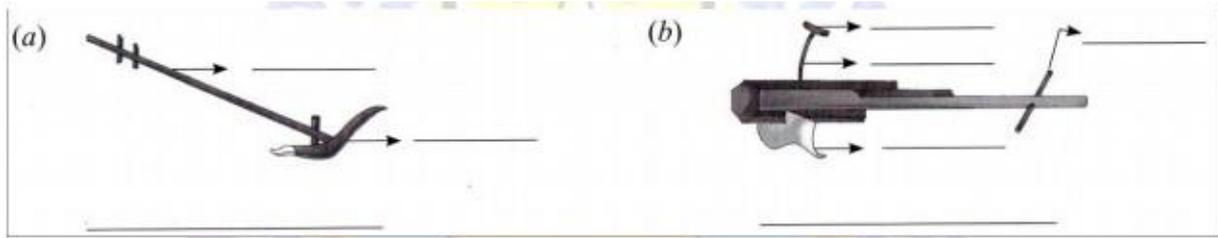
(c) Name some common insecticides used to protect crops.

(d) Write the difference between insecticide, pesticide, fungicide and rodenticide.

3. Identify the following agricultural implement and state its use :

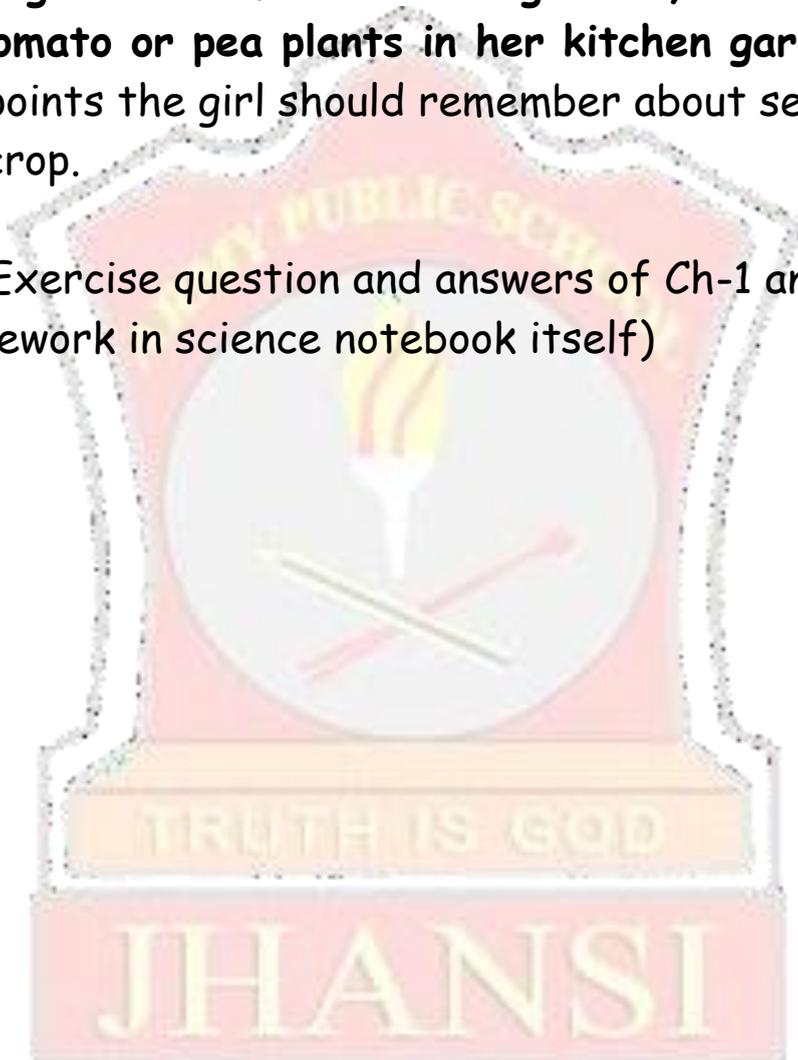


4. Identify the following agricultural implements and label the parts :



5. A young girl went to visit her grandparents living in the nearby village. She saw the way the farmers tilted the land before sowing seeds. After returning home, she decided to grow few tomato or pea plants in her kitchen garden. Write few points the girl should remember about seeds in order to get a good crop.

(Complete Exercise question and answers of Ch-1 and then do the holiday homework in science notebook itself)



Social Science -

1. Write the name of political parties along with their symbols.
2. Write quotes or slogans on conservation of natural resources.
3. Make a collage on Fundamental Rights mentioned in the Constitution.

Sanskrit-

- 1- पढ़ाया गया पाठ्यक्रम कंठस्थ करें।
- 2- 'खाद्' धातु रूप पुस्तिका में लिखें व याद करें।
- 3- 'सुभाषितानि' पाठ से A4 साइज पेपर पर अपनी पसंद का कोई एक श्लोक अर्थ सहित लिखें तथा कंठस्थ करें।

Computer-

- * Learn Ch-1 Computer System , and complete all exercises and Questions & Answers.
- * Read Ch-11 Computer Virus and Security Risk. Write Q & Ans and Exercises in Holiday Homework Copy.
- * Project - You should follow healthy habits while working on a computer for long hours. Make a Chart paper promoting Healthy Habits (You can draw or Use pictures also)

Music-

- 1.- Learn 3 English and 3 Hindi prayers from school Diary.
- 2.- Learn and write School Anthem and National Anthem.
- 3.- Write and prepare any two patriotic songs in your music notebook.

Arts and Craft-

BOOK: ART FESTIVAL

TOPIC:

- STILL LIFE (PENCIL WORK) -page no.8,9
- NATURE STUDY (FLOWER) -page no.13
- BOUQUET OF ROSES (CRAFT) -page no.15
- CHARACTERS (PEN) -page no.34
- MORE ACTION (PEN) -page no.35
- FREE EXPRESSION -page no.37
- PORTAIT (PENCIL) -page no.38,39
- A PARTY MASK -page no.60
- A LIBRARY (COLOUR) -page no.57

- SAVE EARTH -page no.54
- MADHUBANI PAINTING (COLOUR) -page no.52
- LAND SCAPE (PEN AND PENCIL) -page no.22,23

Dear students,

Share your homework on my personal whatsapp number (9454957302) with the proper mentioning of your name, class and section latest by 15th June 2021.

