



## KENDRIYA VIDYALAYA CRPF PRAYAGRAJ

### Summer Break Assignments 2022-23

Class: X विषय: हिंदी

- 1.गोपियों की जगह आप होते तो अपना तर्क किस प्रकार देते?
- 2.किसी एक स्वतंत्रता सेनानी का सचित्र वर्णन कीजिए।
- 3.सूरदास जी की प्रमुख रचनाओं के बारे में संक्षेप में लिखिए।
- 4.वर्तमान समय में कोरोना की भयावह स्थिति पर एक अनुच्छेद लिखें।
- 5.राम और लक्ष्मण की तीन-तीन विशेषताएं लिखिए।
- 6.आप से किसी महापुरुष की मूर्ति लगाने के लिए कहा जाए तो आप किसकी मूर्ति लगाएंगे, और क्यों?

### English

Do the following unseen passage in your copy:-

The Rajasthan Set of a Netflix film is Now Producing Champion Skaters. Skater Girl's set, which is now a public park in Khempur, is training village children to skate for free. This Desert Dolphin Skate Park is located in Khempur, which is about 40km from Udaipur. Film sets usually die soon after a movie has been wrapped up. The set of the Netflix original movie, Skater Girl (released on 11 June 2021), has lived on and is producing sports stars. The movie revolves around a 16-year-old girl from a Rajasthan village who is introduced to skating through a chance encounter with a British-Indian woman, in Khempur, a village about 40km from Udaipur.

The sport changes her life in the movie, and the park is changing the lives of many other children in the village. Since the movie wrapped in 2019, the Desert Dolphin Skate Park has been the ground for training hundreds of village children to skate for free. Four kids from Khempur have gone on to represent Rajasthan in the National Skateboarding Championship in Chandigarh. A boy who was earlier considered "slow" took part in the competition and topped his district in Sanskrit. "He's an expressive and creative child who just needed a catalyst to unleash his real talent and build his confidence. These kids who had never stepped on a skateboard before the skatepark was made, are now in state jerseys travelling for the first time outside their villages to take part in a national level championship," says

Manjari Makijany, the maker of Skater Girl and also the daughter of Mac Mohan, who played Sambha in the movie Sholay.

This Park sprawls across 14,500sq. ft and is open to all and has become a personal endeavour for Makijany and her producing partners. The family has set up a trust called The Living Grace Foundation to support the project. The organisation has been providing skateboards, safety equipment and training for free, to the children. Zeroing on the location was no easy task.

The filmmaker travelled thousands of kilometres through scorching summers to find the right location. While the vibrancy and picturesque backdrop of Rajasthan was one of the reasons they chose the state, they also wanted to pick a place where people would take to skating.”We had three prerequisites to lock a place: it had to have a rustic backdrop; have concrete roads so kids could skate, and there had to be over a thousand kids in and around the village so the skatepark could be beneficial to the local community after the film,” says Makijany. Khempur checked all three boxes for them. “The children of Khempur were some of the most creative ones we met—they had made makeshift skateboards out of wood and scrap material. We feel incredibly proud of these kids and how they’ve excelled overall at school and in skating.

**1 Pick the option that suitably paraphrases the following excerpt from the text. Film sets usually die soon after a movie has been wrapped up. The set of the Netflix original movie...has lived on...**

- A. The personnel who worked on constructing the skate park shall continue to live in the memory of all.
- B. The skate park set continues to be used since it was not dismantled after the shooting of the movie.
- C. The shooting of the movie involved bringing a dead skate park to life and using it as a set.
- D. The villagers of the movie destination felt alive during the shooting of the movie.

**2 One of the reasons why Makijany chose Khempur is because she was aware that**

- A. its summer would bring out the uncomfortable living conditions.
- B. the village had children who were creative and fit.
- C. lack of concrete roads would make village scenes seem authentic.
- D. a large number of children would eventually benefit from the created set.

**3 Pick the feature of a dolphin that makes it an appropriate choice for being included in the name for the desert skate park at**

**Khempur.**

A. Dolphins have a tapered streamlined body that's thick near the centre and tapers down towards the ends.

B. Dolphins communicate through clicks, whistles, and slapping the water's surface with their tail and bodies.

In part, C. Dolphins are playful and are known for the aerial acrobatics they do out of the water.

D. Dolphins must rise regularly to the surface to breathe.

4 According to the lines given below, **What kind of people are Makijany and her producing partners? This Park ...is open to all and has become a personal endeavour for Makijany and her producing partners.**

A. philanthropists.

B. Stalwarts

C. Consultants

D. Socialites

**Question 2.** Write stories with suitable title and moral based on any **\*two\*** of these given:-

A. Inspirations

B. Education

C. Motivation

D. Discipline

E. Hard work

**3.Listen to English News** and read **English newspaper** daily . Write and learn 5 new words with meaning.

**4.** Write stories, articles, poems, drawings, collection of thoughts, pictures, facts, tongue twister idioms, puzzles, sayings, etc in English for **Digital School MagaMagazin**

**5.** Watch Videos related to your English textbooks & Read lessons with understanding of both the Books.

**6.** Write, learn, watch, practice and revise all Grammar exercises. Especially tenses. Make 5 sentences each from all the tenses **taught**

**7.** Read a novel and write the book review of it. The book you read should be shown to the teacher. You can use our school library also.

**8.** Write a **letter to the Editor** of a leading newspaper highlighting the problems of collections of heaps of garbage in your locality.

**DO ALL THE ABOVE IN YOUR NOTEBOOK WITH DATE .**

**DATE OF SUBMISSION IS 22 JUNE 2022.**

## Math

### CHAPTER REAL NUMBERS

1. If  $a$  and  $b$  are two odd positive integers such that  $a > b$ , then prove that one of the two numbers,  $\frac{a+b}{2}$  and  $\frac{a-b}{2}$  is even and other is odd.
2. Use Euclid's division algorithm to find the HCF of 641, 367, and 893.
3. If the HCF of 81 and 237 is expressible as a linear combination of 81 and 237 i.e.  $\text{HCF}(81,237) = m \cdot 81 + n \cdot 237$ , find the values of  $m$  &  $n$ .
4. Find the largest number which divides 2053 and 967 and leaves a remainder of 5 and 7 respectively.
5. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.
6. Determine the smallest 3-digit number which is exactly divisible by 6, 8 and 12.
7. Determine the greatest 3-digit number exactly divisible by 8, 10 and 12.

### CHAPTER POLYNOMIALS

1. Find the quadratic polynomial whose zeroes are  $-1 - 2\sqrt{3}$  and  $-1 + 2\sqrt{3}$ .
2. Find the minimum value of the polynomial  $3x^2 - 5x + 2$ .
3. If 2 and  $-3$  are the zeroes of the polynomial  $x^2 + (a+1)x + b$ , then find the value of  $a$  and  $b$ .
4. Obtain all zeroes of polynomial  $f(x) = 2x^4 + x^3 - 14x^2 - 19x - 6$  if two of its zeroes are  $-2$  and  $-1$ .
5. Find the quotient and remainder when  $4x^3 + 2x^2 + 5x - 6$  is divided by  $2x^2 + 3x + 1$ .
6. On dividing  $x^4 - 5x + 6$  by a polynomial  $g(x)$ , the quotient and remainder were  $-x^2 - 2$  and  $-5x + 10$  respectively. Find  $g(x)$ .
7. If  $\alpha$  and  $\beta$  are the zeroes of the quadratic polynomial  $f(x) = x^2 - 3x - 2$ , then find a quadratic polynomial whose zeroes are  $\frac{1}{2\alpha + \beta}$  and  $\frac{1}{2\alpha - \beta}$ .

### CHAPTER PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

1. Solve the following system of linear equations graphically:  $2x - 3y - 17 = 0$ ;  $4x + y - 13 = 0$  and shade the region bounded by the above lines and X axis.
2. A two-digit number is 4 more than 6 times the sum of its digit. If 18 is subtracted from the number, the digits are reversed. Find the number.
3. The graphs of the equations  $x - y = 2$  and  $kx + y = 3$ , where  $k$  is a constant, intersect at a point  $(x, y)$  in the first quadrant, then what are the possible values of  $k$ ?
4. 8 men and 12 boys can finish a piece of work in 10 days while 6 men and 8 boys finish it in 14 days. Find the time taken by one man alone and by one boy alone to finish the work.
5. For what value of  $k$ , the following pair of linear equations has infinite number of solutions:  
 $kx + 3y = (2k + 1)$ ;  $2(k + 1)x + 9y = (7k + 1)$ .

6.  $\frac{3}{x+y} + \frac{2}{x-y} = 2$ ;  $\frac{9}{x+y} - \frac{4}{x-y} = 2$ , Find x and y

7. Solve and find x and y:  $mx - ny = m^2 - n^2$ ;  $x + y = 2m$ .

### SCIENCE

Q1. Write symbols of elements and their name in given your textbook (chapter 1 to 4 and learn them )

Q2. Write the name of compounds and their name in given your test book . Identify them into acids bases and salts and learn them .( cha.1 to 4)

Q3. Write law of mass of conservation.

Q4. What is a balanced chemical equation? Why should chemical equations be balanced?

Q5. Write the balanced equation for the following chemical reactions.

- (i) Hydrogen + Chlorine  $\rightarrow$  Hydrogen chloride
- (ii) (ii) Barium chloride + Aluminium sulphate  $\rightarrow$  Barium sulphate + Aluminium chloride
- (iii) (iii) Sodium + Water  $\rightarrow$  Sodium hydroxide + Hydrogen

Q6. Write a balanced chemical equation with state symbols for the following reactions.

- (i) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride.
- (ii) Sodium hydroxide solution (in water) reacts with hydrochloric acid solution (in water) to produce sodium chloride solution and water.

Q7. Why are decomposition reactions called the opposite of combination reactions? Write equations for these reactions.

Q8. What is the difference between displacement and double displacement reactions? Write equations for these reactions.

**Q9. Make a working model for science exhibition. (Mandatory for all)**

#### Themes

- I. Eco System for Sustainable Living
- II. Appropriate Technology for Sustainable Living

- III. Social Innovation for Sustainable Living
- IV. Design, Development and Modelling for Sustainable Living
- V. Traditional Knowledge System (TKS) for Sustainable Living

**\*Model can be prepared individually or in group (maximum 5 students)**

**\*Students can chose one or more themes**

### **SOCIAL SCIENCE**

ALL WORK HAS TO BE DONE IN SEPARATE NOTEBOOK

1. WITH THE HELP OF ATLAS COMPLETE ALL MAP WORK GIVEN IN SYLLABUS OF CLASS 10 OF CBSE (2022-23) (HISTORY AND GEOGRAPHY)
2. MAKE A PROJECT REPORT ON ARUNACHAL PRADESH INCLUDING CUISINE,TRADITION,SPORTS,CULTURE,FOOD HABBIT,MONUMENTS etc. WITH PICTURES.
3. Explain any three features of the Napoleonic code of 1804.
4. Describe the process of unification of Italy.
5. Examine the different stages of the unification of Germany.
6. Distinguish between national resource and individual resource.

### **ART**

**DRESS DESIGN OF ARUNACHAL PRADESH ( ON CHART PAPER)**

### **Work Education**

1. Derive the formula of resultant when three resistors are connected in series by making diagram.
2. Derive the formula of resultant when three resistors are connected in parallel by making diagram.
3. Draw the symbol of electric bulb, open switch, closed switch , earth wire , cross wire and connected wire.
4. Write the working principle of electric motor and its 10 uses in daily life.
5. Write the working principle of Electric generator.
6. Derive the formula  $H=I^2 RT$ .
7. Write the name of five electrical appliances which work on heating effect of electricity.
8. Activity - Take three cells and connect them with the help of wire in series and in parallel connection.
9. Name the material which are used to make resistor.
10. Name the factors which where is the value of resistance.

### **SPORTS**

Write about health related fitness