



**Bal Bharati**  
PUBLIC SCHOOL  
PITAMPURA

## Class VIII

### GENERAL GUIDELINES FOR THE HOLIDAY HOMEWORK PROJECT



The theme for your Holiday Homework is '**Gender Dynamics Around Us**'.



Weekly assignments based on the theme will be shared. The homework must be uploaded on MS Teams.



A Flipbook should be created in the last week containing all the work. The contents of the flipbook are mentioned below.



Read the English Supplementary Reader '**Kidnapped**' as it will be tested in the Periodic Test-1 examination. (The whole book)



## CONTENTS OF MY FLIPBOOK

Cover Page - Made aesthetically indicating the name, roll number, class and section and session. (2022-23)

Index Page - Indicating the homework of all the weeks, organised subject-wise.

Subject-wise work of all the weeks. (Add pictures where required)

Tasks mentioned in the General Guidelines

Picture Gallery - Indicating pictures as evidence for general tasks.

Newspaper Activity (Positive News)- 'Did I Know It?'

Bibliography

Certificate Page

Do not forget to mention page numbers on your project!



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## HOLIDAY HOMEWORK

CLASS VIII – 2022-23

**WEEK 2**

Science:

Task 1 -

### **Women Scientists: Paving the Way for Future Female Leaders**

When it comes to influential women scientists, Dawn Barry, Karenann Terrell, and Andrea Loubier shine brightly. With years devoted to their respective fields, their deep-seated passions and entrepreneurial spirits have allowed them to become some of the most influential female leaders in traditionally male-dominated careers. From researching DNA to developing software, these women scientists inspire future female leaders.

Research on the achievements of these women scientists.

Create a doodle to showcase your research.

Task 2 -

Reference: "Natural Covid-19 antibodies last 7 months in children" (HT PACE EDITION, 23<sup>rd</sup> MARCH 2022, Wednesday, Pg 5)



## 'Natural Covid-19 antibodies last 7 months in children'

Asian News International

**HOUSTON:** Children previously infected with Covid-19 develop natural circulating antibodies that last for at least seven months, according to a new study conducted by the University of Texas Health Science Center at Houston. The study was published in *Pediatrics*.

Researchers measured data from 28 children across the state of Texas between the ages of 5 and 19 who were enrolled in the Texas CARES survey, which began in October 2020 with the goal of assessing Covid-19 antibody status over time among a population of adults and children in Texas.

Volunteers who took part in the study provided researchers with three separate blood draws. Samples were collected before the vaccine rollout and during the Delta and Omicron variants. To date, investigators have completed three different phases of the study.

"These findings are important because the information we collected from children infected with Covid-19 didn't differ at all by whether a child was asymptomatic, the severity of symptoms, when they had the virus, were at a healthy weight or had obesity, or by gender. It was the same for everyone," Sarah Messian, author of the study and professor of epidemiology at UT Health's School of Public Health Dallas campus, said.

While 98% of those infected with Covid-19 continued to have antibodies up to seven months later, well over half (58%) of the sample were negative for infection-induced antibodies at their third and final measurement. The findings do not include the impact of vaccine protection.

The results of Texas CARES, Messian said, are just a step in understanding the virus's impact on children. To date, 14 million kids in the US have tested positive for the virus, she said. "Adult literature shows us that vaccine-induced protection, plus the vaccine-induced protection, gives you the best defence against Covid-19. There has been a misunderstanding from some parents who think just because their child has had Covid-19, they are now protected and don't need the vaccine."



A teenager receives Covid-19 vaccine at Meridian Lincoln High School in Los Angeles



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**SARAH MESSIAN**, author of the study and professor of epidemiology at UT Health School of Public Health Dallas

"While our study is encouraging in that some amount natural antibodies last at least six months in children, we still don't know the absolute protection threshold. We have a great tool available to give children additional protection by getting their vaccine, so if your child is eligible, take advantage of it."

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### 'Natural Covid-19 antibodies last 7 months in children'

1. Which institute conducted the study?
2. Why are these findings important?
3. What is the conclusion of Adult Literature?

#### Asset Question:

Any three colours of light, which produce white light when combined with the correct intensity, are called PRIMARY COLOURS of light. (Red, Green and Blue)



Colours produced by the addition of equal intensities of two primary colours of light are called **SECONDARY COLOURS** of light. (Yellow, Cyan and Magenta)

Any two colours of light, which produce white when combined, are said to be **COMPLEMENTARY COLOURS** of each other.

As per the given information, which of the following colours is a complementary colour of 'BLUE'?

- A Cyan
- B Magenta
- C Red
- D Yellow

Justify your answer.

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**HOLIDAY HOMEWORK-2022-23**

**ENGLISH: CLASS- 8**

**WEEK-2**

**ARTICLE READING**

1. Read the given article and answer the questions.

**A colourful floral sea on view in Srinagar**

At the Tulip Garden in Srinagar, nature lovers will be privy to a 1.5 million exquisite tulips belonging to more than 60 varieties. The garden also comprises many other flowers like hyacinths, daffodils, narcissus, muscaria and Iris.

**Srinagar:** Kashmir's Tulip Garden, one of the biggest in Asia, was thrown open to the public on Wednesday. On view at the venue are an estimated 1.5 million tulips.

A large number of tourists expected to visit the venue this spring are sure to make a beeline to view some of the tulip varieties that are already in bloom.

The sea of colourful flowers belonging to more than 60 varieties that will adorn the 30-hectare terracing garden at Siraj Bagh is the result of the toil of 120 gardeners, labourers and other workers, said Sofi Inam-ur-Rehman, floriculture officer and in-charge of the Tulip Garden.

He said that the high daily temperature this month has sped up the blooming process but the intermittent rains from Friday night have brought the temperature down.



Above, A view of flowers swaying in the breeze at the Tulip Garden in Srinagar on Monday.

Right, Gardeners on the banks of the Dal Lake, Srinagar, tend to the tulips as they bloom early due to the soaring temperatures.



The wet and cloudy weather may have some impact on the overall blooming time," he said.

The picturesque garden – one of the biggest tulip gardens in Asia and located on the foothills of the Zabarwan range and on the banks of majestic Dal Lake – comprises red, yellow, pink – early blooming and late blooming – tulip bulbs besides flowers like hyacinths, daffodils, narcissus, muscaria and Iris. A Japanese ornamental cherry theme garden is also a part of the aesthetic beauty. It also has ornamental trees like apricots and almonds which coincide with tulip blooming.

The garden is expected to draw more tourists during the current season, particularly after the Covid disruptions since March 2020.

"Last year, we welcomed some 2.25 lakh visitors, including tourists and locals while observing Covid SOPs," said Rehman. While the garden was closed in the spring of 2020 owing to Covid wave, in 2019, the garden attracted 2.58 lakh visitors, including many local Kashmiris and 1.9 lakh in 2018 as the annual Tulip Festival has been gaining in popularity and attracting tourists.

Zeeban Khan, assistant director, tourism department, said that the tourists are already in good numbers here and the department is going to celebrate the tulip festival when the garden opens. "We are going to celebrate spring and tulip festivals for which everything is ready," he said.

Kashmir's connection with tulips traces back its origin hundreds of years when the flowers were grown on muddy rooftops of houses. Gradually, they were grown in kitchen gardens and flower beds till in 2005-06 the then state government decided to convert Siraj Bagh into a regal Tulip Garden in keeping with Kashmir's historical ties with tulips.

The Tulip Garden was opened in

2007 on sloping ground with multiple terraces overlooking the scenic Botanical Garden.

The state floriculture department imported tulip bulbs from the Netherlands and other European countries. Besides tulips, and pansies, make the garden a one-stop destination for revellers during spring.

Abdullah Hameed/PTI Correspondent



Top, A visitor clicks pictures at the tulip garden in Srinagar. Above, Tourists at the garden located on the foothills of Zabarwan Mountains on Wednesday. Left, Girls wearing traditional costumes visit the garden on Wednesday.

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*Ashiq Hussain/HT Correspondent*



1. List the names of the flowers blooming in Tulip gardens, Srinagar.

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2. Write the factors that impact the blooming of flowers in Tulip gardens as stated by Sufi Inamur Rehman.

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3. Why is Tulip Garden called "The Picturesque Garden"?

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2. Given below is a list of words from the report. The alphabets of the words have been jumbled. Complete the table by writing the correct word along with its meaning:

**JUMBLD WORD**

**CORRECT WORD**

**MEANING**

Uneev		
Radon		
Eqticrsuupe		
Vipry		





**3. Which of these sentences is correctly punctuated?**

- A. My idea of a great dinner would include noodles, eggs and a dash of Perry's hot sauce.
- B. My idea of a great dinner would include; noodles, eggs and a dash of Perry's hot sauce.
- C. My idea of a great dinner would include: noodles, eggs and a dash of Perry's hot sauce.
- D. My idea of a great dinner would include, noodles, eggs and a dash of Perry's hot sauce.

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Class- VIII- HHW  
MATHEMATICS (WEEK 2)

**Case Study-**



A sports teacher made her 1521 students stand in the ground for a parade so that number of rows is same as number of students in each row and boys and girls are standing in alternate rows. Answer the following questions based on above situation-

If girls are standing in both extreme rows-

- How many rows of girls are there and how many girls are participating in the parade?
- How many boys are participating in the parade?
- How many boys are there in each row?
- How many boys are there in front row?

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