

# Gyan Sthaly public school Jhansi

## Class 11<sup>th</sup>

### Holiday Homework

*MONTH OF JUNE BROUGHT LONG, HOT DAYS  
AND NOW WE HAVE OUR SUMMER HOLIDAYS  
SCHOOL IS CLOSED AND NO SET RULES  
WAKING UP LATE AND GOING TO POOL.  
LITTLE HOMEWORK, EASY TO BE DONE  
PLAYING WITH FRIENDS AND LOTS OF FUN,  
BEAUTIFUL TIME COMES ONCE IN A YEAR,  
SUMMER HOLIDAYS ARE BEST DAYS EVER!!*

#### Hindi

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- 1- किसी एक विषय पर रचनात्मक लेख लिखिए।
- 2- अपनी पाठ्य पुस्तक में से कोई दो लेखकों का जीवन परिचय लिखिए।
- 3- किन्हीं दो विषयों पर फीचर लेखन लिखिए।
- 4- किन्हीं दो विषयों पर आलेख लेखन लिखिए।
- 5- संचार के साधनों का विस्तार से वर्णन कीजिए।

#### Maths

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##### Statistics in Daily Life

Collect real-life data (e.g., screen time, rainfall, prices of vegetables, etc.) Use measures of central tendency (mean, median, mode), draw graphs and interpret results.

##### Mathematics in Art – Golden Ratio & Fibonacci Series

Explore how the golden ratio appears in architecture, nature, and paintings. Create art using Fibonacci spirals.

##### Applications of Trigonometry in Real Life

Measure height of tall objects using clinometers. Apply concepts of angles of elevation and depression.

##### Mathematics in Architecture

Study symmetry, geometry, and 3D shapes used in famous monuments (e.g., Taj Mahal, Pyramids). Include diagrams and geometric analysis.

##### Linear Inequalities in Business & Economics

Formulate and solve inequalities to model simple real-life problems like budgeting, profit-loss.

##### Coordinate Geometry Project: Mapping Your City or School

Use coordinate points to create a scaled map of a known area. Identify and label locations using coordinate pairs.

##### Set Theory and Venn Diagrams

Survey classmates or neighbors (e.g., favorite fruits, hobbies). Use Venn diagrams to represent the data and draw conclusions.

##### Sequence & Series in Real Life

Study arithmetic and geometric sequences in patterns (e.g., savings plans, seating arrangements).

#### Physics

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Fundamental Quantities, Dimensions, application and drawbacks of dimensions (make a project on A4 size plane sheets)

#### Chemistry

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Study of presence of oxalate ion in guava, fruit and different stages of ripening

## Biology

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1) Make a Herbarium file pasting the specimen of flowers (bisexual and unisexual) and leaves (monocots and dicots, vascular plants and nonvascular plants, terrestrial and aquatic plants, Medicinal plants etc.) belonging to different families also write their following description: -

- Their Taxonomic hierarchy

- Date and place of specimen collection

- Two importance too.

2) Revise the syllabus covered and prepare well for the test.

Note: - use herbarium file or cardboard file and drawing paper sheets

### TITLE PAGE

# cover page

# Certificate

# Acknowledgement

# Index

# Project (elements as mentioned in the report format)

# References/Bibliography

## Computer Science

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### Project Work

Do the case study of the project on the given topic: A Journey '**FROM BASIC TO PYTHON**' It should include the following:

#### Updation taking place in:

- Hardware
- Software
- Operating System
- People Behind for the updations
- Advantages and Disadvantages

#### Guidelines for the Project: -

- Project Report must have a Title page, Acknowledgement page, Index page and Bibliography page.
- Project Report should be prepared in any Word processor (MS Word) software.
- Project Report must have a Header and Footer. Name of the Project topic should reflect in Header and Page number should be in the footer.
- Project Report must have 12 – 15 pages.

## ENGLISH CORE

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Q.1 As you know our doctors, forces, government, and cleaners are fighting against corona virus. This poster is to support all those people who are warriors and fighting corona virus for us.

Draft a poster on fight corona virus

Q.2 Design a poster on the topic – 'How CNG can be the best alternative to diesel and petrol; [50 word]

Q.3 Describe 'How corona virus is affecting your dreams – and what to be about it. [120-150 words]

Q.4 On behalf of the principal of your school, draft an advertisement inviting applications for the post of PGT(English) teacher.

Q.5 Learn and revise all the syllabus done in classroom.