





CLASS XI Session 2025-2026

Summer Holiday Homework - A Journey of Learning and Fun

A Journey of Learning and Fun

Dear Students & Parents,

As we have approached summer vacations, I wish you all a joyful and relaxing break with a quality family time. This much awaited break is also the time to recharge, pursue interests and create lasting memories with family

and friends. This is the time to reflect on one's accomplishments and failures and also

envision the exciting possibilities for the next part of the academic year.

Do engage in meaningful activities, prioritize physical and mental wellbeing and be grateful to

almighty for all possible blessings you have in your life and have a lot of fun. Following is the

Holiday homework given to students, which has been creatively crafted by your mentors to

keep you engaged with curious projects and assignments to make you ready for the year

ahead, where you are refreshed to embrace new challenges.

Further we at KPS are grateful for the continued partnership and support of the parents as

always shown.

Looking forward to see rejuvenated you on 1st July, 2025.

Wishing you a blissful summer vacations ahead!

Best Regards,

Dr. Anju Mehrotra (Director / Principal)



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!!

THIS SUMMER BREAK, TRY AND MAKE A DIFFERENCE:

GENERAL INSTRUCTIONS:

- ❖ UNRAVEL THE ARTIST IN YOU- Learn a new skill like playing an instrument, mastering a skill of art like painting, crafting, a piece of music or dance.
- ❖ GOOD MANNERS ARE THE KEY- Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you) often. 'A little more courtesy goes a long way.'

 Try to collect coins of appreciation from your elders for each value depicted in your daily behavior.
- ❖ LEARN TO BECOME A LITERARY ARTIST-To become an artist of literature, the concerned should go through the selected subject in such a depth, that he/she should live in the world of characters as well in the world of the creators' mind. Let us read any book of our interest (fiction/non-fiction) and submit the book review attached along with the holiday homework..
 - Converse in English with your parents, siblings & friends as it will improve your proficiency.
 - Take small responsibilities in household chores.
 - Physical fitness is an important aspect of life. A healthy mind stays in a healthy body.
 Do yoga & exercise regularly.
 - Learn the school prayer and song.
 - Plant a sapling, nurture it with love and watch it grow.
 - Avoid heavy and oily food & intake fresh fruits and water to keep yourself hydrated and energetic.

SPECIFIC INSTRUCTIONS:

 Homework for each subject comprises of THREE Parts- (A)SUBJECTIVE that includes assignment and (B) PROJECT BASED (C)COMMUNITIVE SERVICE

- Holiday Homework must be done in a very neat and presentable manner.
- Homework will be assessed on the basis of neatness, handwriting, creativity, presentation and completion of all the questions & indexing of work.
- Avoid cutting and overwriting.
- Creativity and Originality of work will be appreciated. You can take the help of your elders, if required.
- Read the instructions carefully under each Subject and submit it accordingly

SUBMISSION OF HOLIDAY HOMEWORK

The last date of submission of the homework is **7**th July, **2025** and do all the activities/Project work as directed.

SUBJECT: ENGLISH

Instructions:

- 1. Submit only original work; plagiarism is strictly prohibited.
- 2. Ensure the project reflects your own ideas and creativity.
- 3. Present it neatly in a project file using recycled or eco-friendly materials.
- 4. Marks will be added under Subject Enrichment.

PART A: Artistic Integration Project

Attempt any one of the two given questions.

A) Poetic Memory File — Exploring "A Photograph"

Project Title: Whispers of fading frame...



Tasks:

- 1. Based on the poem "A Photograph", create a fictional photo album of the poet's mother with 4–6 sketches/photos. Write a brief caption under each, showing the story behind the image.
- 2. Emotive Letter: Write a heartfelt letter from the poet to her late mother, filled with memories and love.
- 3. Lines that Linger: Select three impactful lines from the poem and explain what emotions or memories they stir.
- 4. Visual Symbols: Add symbolic art (waves, fading footprints, torn photo corners, etc.) reflecting the poem's mood.
- 5. Reflection: Write a short paragraph titled "Time Holds, Time Fades" on how time changes our memories.
- 6. Original Verse: Compose one stanza (4–6 lines) titled "My Favourite Photograph", capturing a personal memory.

B) Rain Speaks File — Interpreting "The Voice of the Rain"

Project Title: I Am Rain, I Am Rebirth





Tasks:

- 1. Based on the poem "The Voice of the Rain", draw and creatively label the water cycle. Use poetic lines or rain's voice at each stage (e.g., "I rise unseen, I float as dreams...").
- 2. Voice of Rain: Write short dialogues or monologues from Rain's point of view at different stages—evaporation, condensation, precipitation, return.
- 3. Poetic Insight: Identify and explain two poetic devices used by the poet (e.g., metaphor, personification).
- 4. Rain Writes: Compose a short original poem titled "If I Were Rain..." (4–6 lines).
- 5. Rain Forever: Reflect on the line "Eternal I rise impalpable out of land and the bottomless sea..." and explain why rain is eternal.
- 6. Creative Decor: Use cut-outs or hand-drawn sketches of clouds, droplets, nature to give a poetic vibe to your file.

PART B: Writing Skills

(To be done in Writing Notebook)

1. Classified Ad Collection: Paste newspaper cuttings (minimum one each) under the following heads:



- a) To Let
- b) For Sale
- c) Situation Vacant
- d) Situation Wanted

2. Poster Making Task:

You are a social awareness team member. Create a poster promoting rainwater harvesting. Highlight its importance and practical tips for residents.



SUBJECT: MATHS

Link for HHW Assignment given below:

 $https://docs.google.com/document/d/1hAHbUYef85xzHcPzoB5qQLEXIVIbpmRX/edit?usp=drive_link\&ouid=110344362332146258132\&rtpof=true\&sd=true$

Art Integrated Project: Sets in Real Life

Topic: Sets

Integrated with: Visual Art (e.g., Madhubani, Warli, Gond)

Objective:

To understand the concept of Sets by observing and presenting their application in real life through Indian art forms.

Project Description:

This project combines Mathematics and Art to visually represent the concept of sets using real-life examples.

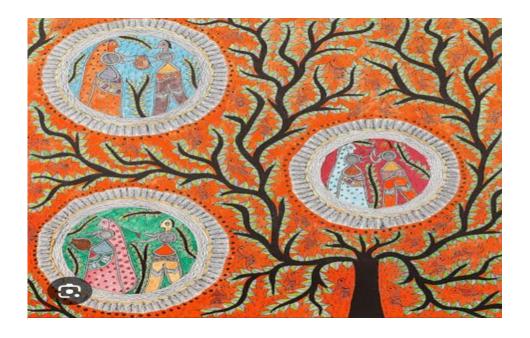
TO Do:

- Collect real-life examples of sets (e.g., sets of fruits, animals, vehicles).
- Show operations on sets (Union, Intersection, Complement) using Venn diagrams.
- Decorate the Venn diagrams using traditional Indian art styles such as Madhubani, Warli, or Gond.

Sample Example:

- Set A: Animals found in forests
- Set B: Animals found in water
- A ∩ B: Animals found in both (like frogs)

Draw these using Madhubani motifs for anima



SUBJECT: PHYSICS

Link for HHW Assignment given below:

https://docs.google.com/document/d/1dwoFgevrYkREkaj6xWzgT33JSA4ttkKh906-pPCRLSo/edit?usp=sharing

General instructions:

- 1. The Project report can be typewritten/handwritten with pictures
- 2. Write only on one side of sheet.
- 3. Use A-4 colored or white sheets.
- 4. The project should include the following:-
- Cover Page
- Certificate Page
- Acknowledgment
- Index/ Content
- Introduction
- Sub-Topics according to index
- Bibliograpy

PROJECT

16. Choose one science research done between last 10 years i.e. between 2014-2024, project should cover the following points - $\,$





- *Topic of Research
- *Brief description of research work
- *Write the changes in society by application of this research work
- 17. 16. Prepare an investigatory project and working model on any of the topic given below
 - a) Momentum conservation. https://youtu.be/6Sp4W2DS47E?si=pPUvU6d22V7d6XNo (for reference).
 - b) Sustainable Development.
 - c) Technology in Agriculture
 - d) Technology in Medicine and Medical
 - e) Technology in Transportation
 - f) Artificial Intelligence



SUBJECT: CHEMISTRY

General instructions

- 1. The project should be handwritten with pictures
- 2. Write only on one side of sheet.
- 3. Use A-4 colored or white sheets.
- 4. The project should be in 10-15 pages

PREPARE PROJECT ON TOPICS

1. Choose one science research done between last 10 years i.e between 2014-2024, project should cover the following points -

- *Scientist involved
- *Topic of Research
- *Brief description of research work
- *Write the changes in society by application of this research work



2. Select any one topic & prepare investigatory project on it A few suggested Projects

a) Checking the bacterial contamination in drinking water by testing sulphide ion

- b) Study of the methods of purification of water
- c) Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit



- d) Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it
- e) Study the acidity of different samples of tea leaves.
- f) Determination of the rate of evaporation of different liquids
- g) Study the effect of acids and bases on the tensile strength of fibers.
- h) Study of acidity of fruit and vegetable juices.



SUBJECT: BIOLOGY

Students are instructed to go for research work on any topic of there interest and prepare a project report(in any form like video / PPT etc

The topic can be .

Any medical condition

Any environmental concern

Agriculture etc.

2 AIL PROJECT

To complete practical file for Plant kingdom / Animal kingdom as per given instructions.

3.To complete questions of chapter 1 (The living World) and chapter 2 (Biological Classification) from NCERT EXEMPLAR.

SUBJECT: FOOD AND NUTRITION

General Instructions:

- Complete the activities neatly in your activity file.
- Use diagrams, tables, and pictures wherever suitable.

Activities

- 1. Plan a Balanced Meal
 - Prepare a balanced meal plan for:
- a) Infant (0-1 year)
- b) Child (1–6 years)
- 2. Preparation of Immunization Schedule
 - Create an immunization schedule for children from birth up to 6 years.
 - Represent it using a colourful chart or table.
- Mention the name of vaccines, disease prevented, and approximate age of administration.
- 3. Interview Schedule
- Prepare an interview schedule to interview working mothers regarding substitute care for their children.
- 4. Prepare a Flowchart
 - Design a flowchart of a game aimed at inculcating healthy eating habits among infants and children.
 - You may create a game like "Healthy Food Race" or "Catch the Healthy Plate" and show the steps in a simple flow diagram.
- 5. List of Foods Available According to Food Groups
 - Visit a local market (or research) and make a list of foods available.
 - Categorize them according to the main Food Groups:
 - Cereals, Pulses, Fruits, Vegetables, Dairy Products, Fats & Oils, and Others.

Be Healthy Kids!

Represent your list neatly in a

table format

SUBJECT: ECONOMICS

A. Use the given link for HHW assignment

https://pdfhost.io/v/47UHbFyc6G_XI_ECONOMICS-_HHW

B. ART INTEGRATED PROJECT:

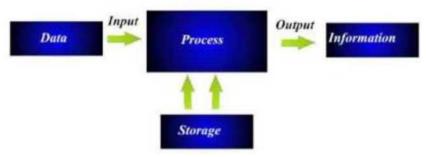
Scarcity and Choice:

Create a poster depicting the concept of scarcity by showing limited resources and the choices consumers or producers have to make. You can use images from magazines, newspapers, or draw your own illustrations.

SUBJECT: COMPUTER SC. AND INFORMATICS PRACTICES PART A

IPO refers to the input-process-output model. As the name suggests the IPO cycle isinput and output after processing information. To get an output, people must first provide input, and the input must then be processed to yield the desired outcome. The IPO cycle describes how a computer processes information. Give any two examples from daily life to explain about IPO cycle. Do the question in A4 size sheet.

Input-Process-Output Cycle



- 1. Using a Piskel a free online editor for animated sprites and pixel art. Try and make a GIF on any of the following topic, using this app for your own pixel art.
 - a) Gender equality
 - **b**) Sustainable cities and communities
 - c) Life on land
 - d) Good health and well being
 - e) Climate action

Weblink: https://www.piskelapo.com/

2. 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
 - o Operating System
 - o People Behind for the updations
 - o 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.

SUBJECT:A.I

PART A

TOPIC: Exploring career paths in Al

Carry out research on various career paths in the field of Al to get information about the roles, skills, qualifications, and future prospects associated with each position. The aim of the project is to provide an overview of the career opportunities in the field of Al and the demand and growth in the field.

Points to Consider:

- Selection
 - Select a specific career path in Al (eg, data scientist, machine learning engineer, Al researcher. Or Al ethics specialist) for your research.
 - Define the points of your research by considering factors such as the importance of the role in the industry and its demand in the job market,
- Role Overview
 - Write details of the selected career path, explaining the responsibilities, tasks, and objectives of the role.
 - Discuss the main focus areas, such as data analysis, algorithm development, model training, or ethical considerations, within the chosen career path.
- Skills and Qualifications
 - Identify and describe the soft skills and qualifications required for the selected career path. Include technical skills, programming languages, knowledge of Al algorithms, and any certifications or degrees that are typically required for this line of career.
- Growth and Demand
 - Explore the current and projected demand for professionals in the chosen career path. Discuss the growth opportunities, market trends, and sectors where the role is in demand.
- Presentation
 - Compile your research findings into a project report using a word processor of your choice.

SUBJECT: Engineering Graphics

Note:

- All questions are compulsory.
- All dimensions are in millimeters.
- Missing and mismatching dimensions, if any, may be suitably assumed.
- Follow the SP: 46 2003 revised codes. (With first angle method of projection)

- Q 1 Draw an ellipse with concentric circle method with major axis 80 mm and minor axis as 56 mm
- Q 2 Draw an ellipse with intersecting line method with major axis 80 mm and minor axis as 56 mm.
- Q 3 Draw an ellipse with trammel method with major axis 80 mm and minor axis as 56 mm.
- Q 4 Draw a parabola having double ordinate AB = 80 mm and axis EV = 40 mm using intersecting lines method.
- Q 5 Draw an involute of a circle whose radius is 15 mm.
- Q 6. A circle is given whose radius = 20 mm. Draw the cycloid of this circle.
- Q7. Draw a helix of a circle whose diameter = 40 mm and the pitch = 36 mm.
- Q 8. Given a circle with φ = 40 mm. Draw a Sine curve for it, assuming a suitable scale for degree divisions on the x-axis.
- Q 9 Construct a triangle whose perimeter is 150 mm and the base angles are 60° and 75°.
- Q 10 To construct a right-angle triangle MNO, having its base MN = 50 mm and its altitude MO = 55 mm.
- Q 11 Construct a Δ MNO, having its base MN = 140 mm and its angle are in the ratio of 2: 3:5.
- Q 12 Construct a Δ MNO, having its perimeter =144 mm and its sides in the ratio of 2: 3: 4.
- Q 13. To draw a circle passing through three non-collinear points A, B and C.
- Q 14. Write the real time applications of the following:
 - a) Involute
 - b) Helix
 - c) Sine Curve
 - d) Cycloid.

Q.15 Choose the correct option

1. Name the instrument	used to draw a 90° angle.
a) Set-square	b) Mini Drafter
c) Protractor	d) All of the above
2. Centre line is shown	by which of the following types of lines?
a) Chain Thick	b) Dashed Thin
c) Chain Thin	d) Dashed Thick
3. Which type of line is	thick and continuous?
a) Dimension Line	
b) Extension Line	
c) Object Line	
d) Hidden Line	
4. Parallel Lines can be	drawn with the help of
a) Mini-Drafter b) Pair of Set-square
c) T- Square d)	All of the Above
5. Which one of the fol	lowing is not a reducing scale?
a) 2:1	b) 1: 200
c) 1: 10	d) 1: 2
6. If a straight line is dr	awn parallel to one side of a triangle, it divides the other sides,
a) Equally	b) Parallel
c) Proportionatel	y d) Half
7. The angle opposite to	the base of a triangle is called the .
a) Base angle	b) Side angle
c) Horizontal ang	gle d) Vertical angle
8. The angle suspended	by a side of a regular polygon at the centre is equal to divided by the number of sides.
a) 180°	b) 90°
c) 360°	d) 270°
9. The interior angle of	the regular pentagon is
a) 100°	b) 104°
c) 108°	d) 112°
10. A line segment divi	ding the circle into two parts is called the .
a) Radius	b) Chord
c) Arc	d) Circumference
11. A scalene set square	e is having a pair of angles?
a) 10°, 80°	b) 30°, 60°
c) 40° , 50°	d) 70°, 20°
12. The angle drawn in	a semi-circle, by the end points of diameter is
a) 90°	b) 60°
c) 45°	d) 30°

SUBJECT: ENTREPRENEURSHIP

Section - A

Choose a person who inspires you in the realm of 'Start-ups'. Prepare a detailed case study on the journey of your role model highlighting the hurdles and how the hurdles/obstacles were overcome.

Bring into focus the specific qualities that has enamoured you.

Following are the pointers which you should refer to in order to elaborated and support your case study

Link

https://docs.google.com/document/d/1T4z1S5Ny1vAc4qtLhPNaTUQCdlwlQZarqe_rlb7_kA/edit?usp=sharing

Use material available at your home to decorate and cover your file

SUBJECT: ACCOUNTANCY

Section - A

Use the given link for assignment and project work

https://docs.google.com/document/d/14-n4o5WJNLQgq7dGmNJ_D41vTUn-2U5R/edit?usp=sharing&ouid=117547112875964118286&rtpof=true&sd=true



SUBJECT: BUSINESS STUDIES

ASSIGNMENT-1 TOPIC- NATURE AND PURPOSE OF BUSINESS

Q1. Use the given link for HHW assignment.

https://docs.google.com/document/d/1oJO43vOHwCczmL4AXNg2XhaE24CIYPjZ/edit?usp=sharing&ouid=100624181714656332141&rtpof=true&sd=true

Q.2Project -1 Field visit Project -2 Aids to trade (INSURANCE AND BANKING) Use the given link for PROJECT work

https://docs.google.com/document/d/1CUhABrK-PW6BM3FhovZCo5d7Bb3REiTa/edit?usp=sharing&ouid=117547112875964118286&rtpof=true&sd=true

SUBJECT: SOCIOLOGY

Instructions:

- 1. The holiday assignment should be handwritten in Blue pen, Black can be used for headings.
- 2. Use of colorful pictures, illustrations, newspaper clippings is essential where ever required.
- 3. Do a lot of research, visit places and read a lot of books to get different perspectives about the society.

Prepare a PROJECT on the Sociology Topic already shared with you

*Note the project should be of 20 A -4 sized ruled sheets and should include the following heads:

- a) Introduction (8-10 pages)
- b) Objectives/SOP (2 pages)
- c) Methodology (2 pages)
- d) Pictures/Newspaper cuttings/ Graphics (4-6 pages)
- e) Questionnaire with 10-12 questions (2 pages)
- 4. Bring all these in a folder after vacations. The project files have been shared with you for reference.
- 5. Revise and try to solve the questions below from the Chapter 1 Book 1. These should be done in the Sociology Register.
 - i. What are the functions of Sociology as a discipline?
 - ii. Bring out the similarities between Sociology and Economics.
 - iii. What were the material issues that lead to the emergence of Sociology?

- iv.
- List out the main inequalities or pluralities in society with relevant examples. Explain the concept of Sociological Imagination according to the vision of C. Wright Mills. ٧.

SUBJECT: LIBRARY AND

INFORMATION SCIENCE (836)

1.VISIT A PUBLIC LIBRARY AND WRITE REPORT ON IT COVERING FOLLOWING POINTS:

- NAME OF THE LIBRARY
- ADDRESS OF THE LIBRARY
- NAME OF THE LIBRARIAN
- NO. OF LIBRARY STAFF
- NO. OF BOOKS
- LIST OF MAGAZINES
- CATALOUGING CODE
- CLASSIFICATION SCHEME
- WORKING HOURS
- TYPES OF SERVICES
- TYPES OF READERS
- CIRCULATION SYSTEM
- MEMBERSHIP FEE
- DIGITAL MATERIAL
- NAME OF THE WEBSITE

2. MAKE A PROJECT ON ANY ONE OF THE FOLLOWING:

- ACADEMIC LIBRARY
- PUBLIC LIBRARY
- CONCEPT OF TRINITY
- 5 LAWS OF LIBRARY SCIENCE
- SPECIAL LIBRARY
- DIFFERENT TYPES OF LIBRARIES
- HISTORY OF LIBRARIES

SUBJECT: MASS MEDIA STUDIES

1. Report Writing

Topic: Write a report on any **recent event held in your school**.

Tip: Use a formal tone. Include date/time, participants, purpose, outcome, and quotes if possible.

2. Radio Talk

Topic: Draft a **10-minute radio talk** on any topic of your choice.

Suggested Topics:

- The Rise of AI in Education
- Teen Mental Health
- Impact of Social Media on Relationships
- Importance of Local Languages in Indian Media

Ensure your script has a clear opening, smooth transitions, a main message, and a closing line.

3. Film Analysis

Choose any film you've watched recently. Select one specific scene and analyze it using the following points:

- Title of the Film
- Director / Author
- Character & Casting
 - Who is in the scene?
 - What is each person's motivation?
 - What does each character want?
 - How does the casting influence how you see the characters?
- Costumes
 - How do costumes contribute to their identities or roles?
- Setting

- Where is the scene set?
- Why is the setting significant?
- What is the most outstanding element in the setting?
- Context
 - What is the historical, cultural, or political context of the film or scene?

Choose a scene with strong visual or emotional impact for best analysis.

4. Newspaper Analysis / Editorial Writing

Option A: Write a Newspaper Article

Write an editorial-style piece on any current event.

Examples: Israel-Hamas War, Climate Change Crisis, Lok Sabha Elections 2024, etc.

OR

Option B: Newspaper Structure Analysis

Pick any mainstream daily newspaper (e.g., The Hindu, Times of India, Indian Express). Read it thoroughly and note the following:

- What kind of news is featured on the front page?
- What is the order of news presentation? Why is this order followed?
- What is the lead story (main headline)?
- Why do you think it is the lead?
 - Consider position, space, font size, headline length, number of columns, etc.

Be analytical — think like an editor.

SUBJECT: PAINTING

Use this summer break to explore your creativity and refine your artistic skills. Your tasks are:

Sheet Size: A2

Medium: Water colour, Poster Colour, or Mixed Media

1. Object Drawing (5 Sheets)

Still Life Draw two or three objects composition —focus on realism, texture, and adding personal meaning. Try different styles and techniques.

2. Composition Theme: "Everyday Reflections"

Create one painting showing the beauty in ordinary moments. Include human figures based on one of these topics:

Exploring Identity
Dreams & Aspirations
Environmental Conservation
Empathy & Compassion
Innovation & Technology
Let your artwork reflect your imagination, emotion, and skill. Enjoy painting

SUBJECT: POLITICAL SCIENCE

- 1. The holiday assignment should be handwritten.
- 2. Use of pictures, illustrations etc is essential.

Make a project on the topic assigned to you by your political science teacher.

The following aspects should be taken into account while preparing your project work:-

- (A) The project should include the following:-
- Cover Page
- Certificate Page
- Acknowledgment
- Index/ Content
- Introduction
- Sub-Topics according to index
- Bibliography

(B)The Project should be kept in a folder and brought to class after summer break for submission.

(2) WRITTEN ASSIGNMENT:-

(A) Explain in detail the following fundamental rights (with their Articles)

RIGHT TO EQUALITY

RIGHT TO LIBERTY AND PERSONAL FREEDOMS

RIGHT TO FREEDOM OF RELIGION

RIGHT AGAINST EXPLOITATION

CULTURAL AND EDUCATIONAL RIGHTS OF MINORITY GROUPS

RIGHT TO CONSTITUTIONAL REMEDY

- (B) Explain the Directive principles of state policy? write about their relationship with fundamental rights?
- (C) Which of the fundamental right is in your opinion the most important. right ?summarise its provisions and give arguments to show why it is most important.
- (D) Write a short note on fundamental duties.
 - ❖ ACTIVITY:-

Find out about the articles, parts and schedules of Indian constitution

- 1. At the time of independence
- 2. In today's scenario
 - ❖ READING TASK :-
- 1. Read newspapers especially the Editorial page everyday, Related to Political news.

SUBJECT: HINDI

Q.1 Use the given link for project work

 $https://docs.google.com/document/d/1 idNlAyACVjOM7JKHiu8q_kZqOygar-aZ2b7uK8pDii0/edit?usp=sharing$