

INSPIRATION PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK
CLASS - III
SESSION-(2025-26)

Hindi –

- 1- श्रुतभाव ग्रहण-* पेज नंबर - 71 (हिंदी व्याकरण भारती पुस्तक में करें।)
- 2 - चित्र वर्णन -* पेज नंबर 76, 77 (हिंदी व्याकरण भारती पुस्तक में अपने शब्दों में लिखें।)
3. सुलेख पुस्तिका के पेज 1 से 20 तक करें /

Mathematics -

1. Collect the 4 digit vehicle number of any 5 cars in your family/locality and solve the following questions given below:-

- a) Write the numbers in words.
- b) Write the numbers in expanded form.
- c) Arrange the numbers in place value chart.

2. Find the height of the 4 highest mountain peaks in the Himalayan range in India. Arrange the height of these mountain peaks in ascending order.

3. Make the Roman Numerals 1—10 using the match sticks.

4. Ask your mother/father to take you market and observe the shopping. When you return home make a list of items purchased, add the cost of every item and find the amount spent by your mother/father.

Note:- All work must be done in the scrapbook.

5. Do page no. 3,4,5 and 6 in your Maths Expedia workbook.

Science –

Project Work: Make your own house.

Knead some clay with a little water and fill an empty matchbox with it. Press the clay in and place this matchbox in sunshine for 2-3 days. Take out the clay after three days, when it is completely dry. Your little brick is ready! Make some more bricks like this. Colour your bricks and use them to make a colourful house on a small piece of cardboard.

2. Make the flowchart showing **Formation of Soil**. (Refer Page number 26 of your textbook). Use 1/4th of a chart paper for doing this work.

Computer

1- List all the Input devices, Output devices and Storage devices. Draw them.

2- Make a Poster depicting **Classification of Computers on A 4 Sheet**

- | | |
|----------------------|-------------------|
| • Micro Computer | • Mini Computer |
| • Mainframe Computer | • Super Computer. |

GK

Identify and name the given images at page no -22 in your G.K book.

Social Science (To be done in a separate thin notebook)

1. Read the following passage

A plateau is a large mass of flat or level land that is elevated from the surrounding area. The southern part of India looks like a cone. Although it is quite flat, it is higher than the plains around it. This region is known as the Southern plateaus. The Southern plateaus are surrounded by hills on three sides – the western Coastal plains ,The Eastern Coastal plains and the Aravallis. The western coastal plains lie to the west and the Eastern Coastal plains lie to the east of the southern plateaus. These are mountain ranges but are much lower than the Himalayas. The Southern Plateaus have a number of rivers flowing through them such as Narmada , Godavari ,Krishna and Tapi.

1. What is a plateau ?
2. Which hills surround the Southern plateau?
3. Which rivers flow through the Southern Plateau ?
4. Which of the following shape does the Southern part of India looks like ?
(a) Circle (b) Square (c) Cone (iv) Cylinder
5. The Southern Plateau is _____ than the plains around it .

2. Look at the given map and answer the questions.



1. Which out of the following is the northern most union territory of India ?

(a) Jammu and Kashmir (b) Ladakh (c) Sikkim (d) Arunachal Pradesh

2. If we travel from Gujarat to Karnataka, which state will we cross?

(a) Madhya Pradesh (b) Maharashtra (c) Telangana (d) Chattisgarh

3. Which country lies to the east of India?

(a) Pakistan (b) Nepal (c) Bangladesh (d) China

4. If we visit Kerala, Which sea will we see?

(a) Bay of Bengal (b) Arabian Sea (c) Indian Ocean (d) None of These

2. Observe the shape of moon for a few days and draw it in your notebook and mention the dates too. Then, write a few lines describing the change in the shapes of Moon. Which shape of the moon do you like the most?

English (To be done in a separate thin notebook)

A. Read the following passage and answer the following questions:

Every year, during the winter holidays, Aarav and his younger sister Meera visited their uncle's farm. The farm was located on the outskirts of the city, far away from noise and traffic. It was surrounded by green fields, tall trees, and a small river that flowed quietly behind the farmhouse.

Aarav loved helping his uncle take care of the animals. He fed the cows, collected eggs from the hens, and even helped clean the stables. Meera, on the other hand, enjoyed spending time in the garden with her aunt. She watered the plants, picked ripe tomatoes, and learned the names of different flowers.

One chilly morning, their uncle took them for a walk through the fields. They saw rabbits hopping around and birds flying in the clear sky. Their uncle told them how farmers work hard to grow food and why it is important to respect nature.

Both Aarav and Meera returned home with wonderful memories. They had not only enjoyed their vacation but also learned many new things about farm life. They promised to come back again next year.

1. Where did Aarav and Meera spend their winter holidays?
2. Find the word opposite in meaning to "**quietly**" from the passage.
3. Find a word in the passage that means the same as "**happy**."
4. Who did Aarav and Meera visit during their holidays?
5. What season were the holidays in?
6. What did Meera pick in the garden?
7. What flew in the sky during the field walk?
8. What did the children promise to do next year?

B. Read the following poem and answer the following questions:

I have a garden, small and sweet,
With flowers growing near my seat.
Roses red and daisies white,
Smiling in the morning light.

Bees come buzzing every day,
Butterflies like to dance and play.
I water plants with love and care,
And watch them grow up everywhere.

1. What color are the roses in the garden?
2. Who comes buzzing every day?
3. What do butterflies like to do?
4. Find a word in the poem that means "**pretty and nice**".
5. Find the opposite of "**night**" in the poem.
6. Write the word from the above poem which rhymes with 'play' and 'care'.

C. Look at the picture carefully, number the picture in sequence and write a short story.



D. Homework Activity: Show and Tell – Instructions:

1. Choose your favourite character from a story, book, movie, or even real life (like a teacher, athlete, or family member).
2. Think about why this character is a role model. What qualities do they have? (For example: kindness, bravery, honesty, helpfulness.)

Record a short video (1-2 minutes) where you:

Introduce yourself and the character you have chosen.

Talk about what makes this character special and why you look up to them.

Act like that character—use their voice, gestures, or a short dialogue or message you think they would say to inspire others.

NOTE: LAST DATE OF SUBMISSION OF THE VIDEO “25th JUNE, 2025”

INSPIRATION PUBLIC SCHOOL
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Class IV
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English All the work in a Separate Holiday homework notebook.

A. Read the following passage and answer the questions:

Every summer, Priya and her family visited their grandmother's village. The village was surrounded by hills and forests. The air was fresh and filled with the scent of flowers. Priya loved playing near the river that flowed gently through the village.

Her grandmother had a big garden full of fruit trees and vegetables. Priya helped her grandmother water the plants and pick ripe mangoes and guavas. She also learned how to make homemade jam from the fresh fruits.

One evening, Priya and her cousins went for a walk in the forest. They saw squirrels jumping from tree to tree and heard birds singing sweetly. It was a fun and peaceful holiday for Priya.

Questions:

- a) Where did Priya and her family go every summer?
- b) Find the word opposite in meaning to "fresh" from the passage.
- c) Find a word in the passage that means the same as "fun".
- d) What did Priya help her grandmother do?
- e) What fruit trees were in the garden?
- f) What animals did Priya see in the forest?
- g) What did Priya learn to make from fresh fruits?
- h) How was Priya's holiday described?

B. Read the following poem and answer the questions:

The sun is shining bright today,
Birds are singing on their way.
Flowers bloom with colors bright,
Filling the garden with delight
The breeze blows soft and cool,
Making me happy at school.
Nature wakes with gentle cheer,
Bringing smiles far and near.

Questions:

1. What is shining bright today?
2. Who is singing on their way?
3. What do the flowers do?
4. Find a word in the poem that means "happy".
5. Find the opposite of "cold" in the poem.
6. Write the words from the poem which rhyme with 'cool' and 'cheer'.

C. You went on a summer vacation with your parents and visited a zoo. You loved the experience. Write a paragraph about it. You can take hints from the picture given below. (100-150 words)



D. Make a short video “If I Could Have Any Superpower...”. Submit it by 25 June 2025.

Instructions:

- Introduce yourself.
- Choose a superpower (like flying, invisibility, time travel, healing, etc.).
- Explain why you chose it and how you would use it to help others.
- End with a short creative act: pretend you have the power and show how you'd use it!

E. Practice one page daily handwriting in your Cursive Writing Book.

Hindi

1. श्रुतभाव ग्रहण—पृष्ठ (Page) संख्या 94, 95 हिंदी व्याकरण 'भारती' पुस्तक में कार्य करें।
2. चित्र वर्णन—पृष्ठ (Page) संख्या 99,100 हिंदी व्याकरण पुस्तक में कार्य करें।(चित्र को देखकर अपने शब्दों में लिखें)
3. सुलेख ज्ञान—पृष्ठ संख्या 1 से लेकर 20 तक सुंदर लेख में शुद्धता के साथ लिखें।

Mathematics

1. Number Magic Around You

- Find 5 interesting numbers from your home (like on bills, clocks, TV remotes, house numbers, etc.) and write them down.
- Arrange these numbers from smallest to largest.
- Pick one number and write the place value and face value of any digit in it.
- Create your own number pattern (for example: 2, 4, 6, 8 or 10, 20, 30) and explain it to your family.

2. Mini Shop & Money Math

- Create a small shop at home with 10 items from your kitchen or study table and write their prices (in rupees and paise).
- Use play money or real coins to “buy” 2-3 items and add up their total cost.
- Pay with a higher amount and calculate the change you get back.
- Design your own currency note or coin and write its value.

3. Time, Measurement & Data

- Keep a diary for two days writing what you do every two hours (for example: 7 AM – Wake up, 9 AM – Breakfast). Draw clock faces showing 4 different times.
- Measure 5 objects in your room (like a book's length or table's width) using a ruler or tape and write down their measurements in cm or meters.
- Ask 5 family members their favourite fruit, make a tally chart, and draw a simple bar graph showing the results.

Homework Tips

- Use colourful notebooks or scrapbooks.
- Add drawings, stickers, or photos to make it fun.
- Write in your own words and be creative!

Science

1. My Good Food Diary!

Draw a table in your scrap book and note down all that you ate and drank in your breakfast, lunch, dinner and snacks for a week.

- Which group of food have you eaten the most?
- Are you eating a balanced diet?

2. Draw the food pyramid on a chart paper showing the important nutrients required for a balanced diet.

Note: Kindly refer to the science book for above mentioned homework.

Social Science

1. Read the following passage and answer the given questions:

The Middle Himalayas or Himachal : These ranges lie to the South of Himadri, and are lower in height. These mountains have thick forests of Pine, Deodar, Fir and Oak trees. Only some peaks in these ranges remain covered with snow throughout the year. The Himachal ranges have some beautiful valleys, such as the Kashmir Valley and the Kangra Valley. A number of hill stations such as Shimla, Nainital, Mussoorie and Darjeeling are also located in these ranges.

1. Himachal lies to the South of _____
(i) Karakoram (ii) Shivalik (iii) Himadri (iv) None of these
2. Himachal ranges have thick forests. Which trees grow here?
3. Which valleys would you find in Himachal ranges ?
4. Which hill stations can you visit in Himachal ranges ?
5. What can the thick forests in the mountains provide us ?

2. Look at the physical map of India and answer the questions that follow:



1. On the western side of India marked in yellow is :
(a) Himalayas (b) Thar desert (c) Coastal Plains (d) Northern Plains
2. The area marked in dark shade of green is :
(a) Northern Plains (b) Northern Mountains
(c) Southern Plateaus (d) Coastal Plains

3. The area marked in light shade of blue is :

(a) Central Highlands (b) Deccan Plateau (c) Islands (d) Northern Plains

Computer

Find out information on any five emerging technologies like Smart home devices, wearable technology , autonomous vehicles) and write two lines on it. Work on A4 sheet paper and paste pictures.

General knowledge

Identify and name the given pictures at page no-27 in your G.K book.


French

IV - Bluebell - (Alphabet in French on A 4 sheet)

IV - Daffodil - (weekdays in French on A 4 sheet)

IV - Tulip - Fruits name in French on A 4 sheet)

INSPIRATION SR. SEC SCHOOL
SUMMER HOLIDAY HOMEWORK
SESSION-(2025-2026)

Subject	Class V
English	<p data-bbox="401 303 795 342">A. <u>Story Telling Session:</u></p> <p data-bbox="352 378 1961 459">Record yourself narrating a short story in English. You can choose a story you've read, heard, or even make up your own! Points to remember:</p> <ul data-bbox="401 495 1115 618" style="list-style-type: none">● Use clear and expressive voice● Add your own twists or voices for characters● Keep it between 1 to 3 minutes <p data-bbox="352 654 1789 693">Note: Record a video and send in the teacher's personal number. Submission date: 25 June 2025.</p> <p data-bbox="401 729 844 768">B. <u>Creative Writing (Poem)</u></p>  <p data-bbox="352 1369 1944 1492">Question 1:Look at the above picture closely. What do you see in nature? Can you write a fun poem about the trees, flowers, animals, or the sky in the picture? Use your imagination to describe how it makes you feel!"</p>

	<p>c. Read the novel “The Gopi Diaries” by Sudha Murty and write your thoughts about the book in your own words.</p> <p>Note: All written work must be done in a separate thin notebook.</p>
Hindi	<ol style="list-style-type: none"> 1. सुलेख पुस्तक में पृष्ठ ;चंहमद्ध संख्या 01 से लेकर 20 तक, सुन्दर लेख में शुद्धता के साथ कार्य करें। 2. हिन्दी व्याकरण की पुस्तिका पृष्ठ ;चंहमद्ध संख्या 117 से ‘मीठी बोली का महत्व’ पर सुन्दर लेख में निबन्ध लिखें। 3. आप प्रिय मित्र को पत्र लिखकर उन्हें गर्मी की छट्टियाँ मे घूमने के लिए अपने शहर/गांव बुलाएं। (निबन्ध और पत्र व्याकरण की कॉपी में करें।)
Mathematics	<ol style="list-style-type: none"> 1. Create and Write 4 word problems based on four mathematical operations on the real life activities that you will do during your vacation. 2. Search the population of 10 countries and write them in figures and words as per - A. Indian place value system (Roll no 1-23) B. International place value system (Roll no 24-46) Do the above work in A4 sheet 3. Make a model of Roman Numeral clock using the waste material. 4. Do page no. 3, 4, 5, 6, 7 and 8 of your Maths Exxpedia Workbook. Show the working in practice copy and write only answers in the workbook.
Science	<ol style="list-style-type: none"> 1. Make a first aid box for your classroom! Take a big sized plastic box with a lid. Stick a list of emergency phone numbers on its side. Keep the following items in it. <ul style="list-style-type: none"> • sticking plaster (such as Band-Aid), sterile gauze pads of different sizes, bandages, antiseptic cream scissors and some safety pins, a small roll of cotton, a bottle of antiseptic liquid such as Dettol or Savlon, a splint. 2. Make a flowchart on a chart paper showing the types of diseases: (Refer to page number 31 of your textbook)
Social Science	<ol style="list-style-type: none"> 1. On an A4 sheet, draw signs or symbols of the following. <ol style="list-style-type: none"> 1. A post office 2. A railway line 3. A capital city 4. A church 2. On an A4 sheet, find out and write the latitudes and longitudes between which the following countries lie: India, Bangladesh, China, Pakistan

	<p>3. On an A4 sheet, make a list of objects that are commonly used in daily life. Then find out and make a list of the materials used to make them. Classify these materials into renewable or non-renewable resources and list the materials that can be recycled.</p> <p>4. On a drawing sheet, draw a circle to denote the Earth and mark six to eight lines of latitude and eight to ten lines of longitude. Stick strings of wool of one colour on the latitudes and of another colour on the longitudes to complete a grid.</p>
Computer	Q. Find out the information on any five AI devices using Nowdays (like- Apple Siri) and write 2 lines about it. Note- Work on A4 sheet and Paste the pictures
French	Write Greetings in French on A4 sheet.
G.K.	Read page no- 16 and 17 and do exercise REFLECT and write Sustainability Pledge in book.

INSPIRATION PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK
SESSION-(2025-26)

Subject	Class VI
English	<p>1. Build a Word Wall Task: Collect 20 new English words from books, newspapers, or shows you read/watch during the holidays. Activity: Write each word with its meaning and use it in a sentence. Make a colorful word wall/poster in A4 sheet.</p> <p>2. Comprehension Do unseen passage and poem given on page no. 156, 157 and 158 of your grammar book.</p> <p>3. Comic Strip Fun Create a 4–6 panel comic strip with dialogues in the A4 sheet. Theme options: “A Day at School with a Superhero” or “My Pet Talks!” Be creative!!!</p>
Hindi	<p>फलैश कार्ड अपनी पाठ्यपुस्तक मलहारमंय किन्हीं पाँच रचनाकारों के जीवन परिचय (जन्म, मृत्यु, शिक्षा एवं रचनाएं) पर आधारित तस्वीर के साथ फलैश कार्ड बनाएं। कविता लेखन किसी भी विषय पर एक स्वरचित कविता लिखें।</p>
Mathematics	<p>1. Budget Planning & Percentage Calculations <ul style="list-style-type: none"> Imagine you are organizing a birthday party with a budget of ₹3000. List 7 items you need to buy with their estimated prices. Calculate the total amount spent and find what percentage of your budget each item uses. If you get a 10% discount on one item, calculate the new price and total cost after discount. Create your own price tag for one item including the discount and final price. </p> <p>2. Time Management & Measurement in Daily Life <ul style="list-style-type: none"> Keep a time log for 3 days, noting the start and end time for homework, playing, and chores. Calculate total time spent on each activity. Measure the height, width, and length of 4 objects at home and calculate their perimeter and area (for flat </p>

	<p>objects).</p> <ul style="list-style-type: none"> • Collect data on how many hours each family member spends on their favourite hobby daily. Present the data in a bar graph or pie chart. <p>3. Geometry & Shapes in Nature and Home</p> <ul style="list-style-type: none"> • Identify and draw 5 different 2D shapes (triangle, rectangle, circle, etc.) you see around your home or garden. • Measure the sides and angles (using a protractor if available) of these shapes and write your observations. • Find 3 examples of symmetry in nature (leaves, flowers, animals) and draw lines of symmetry on your sketches. • Create a tessellation pattern using simple shapes and color it creatively. <p>Homework Tips:</p> <ul style="list-style-type: none"> • Use a colourful notebook or scrapbook. • Add drawings, diagrams, and charts for clarity. • Write explanations in your own words and stay creative. <p>Enjoy your summer holiday with fun and useful math!</p>
<p>Science</p>	<p>1. Prepare a herbarium file consisting of leaves from 5 to 6 different plant species. For each plant, provide the following details:</p> <ol style="list-style-type: none"> 1. Common Name and Scientific Name of the plant 2. Type of Leaf venation 3. Type of Root System (Taproot or Fibrous) 4. Type of Seed (Monocot or Dicot) <p>Note- Paste or attach the dried leaves on separate sheets. Organize the information in a tabular or structured format.</p> <p>2. Read the nutritional information provided on the labels of at least 5 different packed food items (for example: a packet of potato wafers and a packet of roasted chana). Then, answer the following in tabular form:</p> <ol style="list-style-type: none"> 1. Name of the food item and brand 2. Serving size as mentioned on the packet 3. Energy content (in kcal) per serving 4. Total fat, carbohydrates, protein, and sugar content per serving 5. List two nutrients that are beneficial and two that should be consumed in moderation 6. Compare the items and suggest which one is healthier and why.

Social Science	<p>1. In your fair History classwork notebook, write down all the centuries by years in chronological order.</p> <p>For example: Centuries by years in chronological order 21st century: 2001 to 2100 20th Century: 1901 to 2000 and so on.</p> <p>2. Do map no. 10-16 in your map booster book.</p> <p>3. On an A4 sheet, make a poster or collage on the topic ‘Unity in Diversity’.</p> <p>Key points: clothing, food, spices, language, religion, etc.</p>
French	<p>Class VI A- 10 French IR Verbs on an A4 sheet.</p> <p>Class VI B- Greetings in French on an A4 sheet.</p> <p>Class VI C- Francophone countries names on an A4 sheet.</p>
General knowledge	<ol style="list-style-type: none"> 1. Kindly refer to page number 3 of current affairs book. 2. Write the names of ministers who are presently holding the portfolios given on left side.

INSPIRATION PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK
SESSION-(2025-26)

Subject	Class VII
English	<p>1. Record a short video of 1 minute explaining the task while helping your mother in household chores.</p> <p>2. Make 5 flashcards of Homophones with their meanings creatively.</p> <p>3. Read the short story 'Postmaster' by Rabindranath Tagore and make a poster showing contrast between rural and urban life.</p> <p>4. Write summary of "Postmaster" also in your words on an A4 sheet.</p> <p>5. Write a dialogue between you and your friend about the exhibition that you had recently visited with your parents on page no. 170 of your Grammar book.</p> <p>6. Read the comprehension passages 'Little Woman' and 'What Makes our Life Worth Living' given on page 159 and 161 of your grammar text book and answers the given questions in book itself.</p>
Hindi	<p>1. निम्नलिखित गद्यांश को पढ़कर रेखांकित शब्दों के दो-दो पर्यायवाची शब्द लिखो— स्वतंत्र भारत का सम्पूर्ण दायित्व आज विद्यार्थियों के कंधे पर है। कारण आज जो विद्यार्थी हैं, वे ही कल के भारत के नागरिक होंगे। भारत की उन्नति एवं उसका उत्थान उन्हीं की उन्नति और उत्थान पर निर्भर करता है। अतएव विद्यार्थियों को चाहिए कि वे अपने भावी जीवन का निर्माण बड़ी सतर्कता और सावधानी के साथ करें। उन्हें प्रत्येक क्षण अपने राष्ट्र, अपने समाज, अपने धर्म, अपनी संस्कृति, को अपनी आँखों के सामने रखना चाहिए जिससे उनके जीवन से राष्ट्र को कुछ शक्ति प्राप्त हो सके। जो विद्यार्थी राष्ट्रीय दृष्टिकोण से अपने जीवन का निर्माण नहीं करते, वे राष्ट्र और समाज के लिए बोझ बन जाते हैं।</p> <p>2. निम्नलिखित वाक्यों में से व्याकरण संबंधी अशुद्धियों को दूर करे और वाक्य को पुनः लिखे।</p> <ol style="list-style-type: none"> यह लेख किसी विद्वान स्त्री ने लिखा है। माँ ने रवि को खिलौना लिया। जल प्रदूषण गहरी समस्या बनता जा रहा है। मेरा सिर चक्कर खा रहा है। ताजा भैंस का दूध पीना चाहिए। मीठे पेड़ पर आम लगे थे। यह पत्र कौन-ने लिखा है? मेरे मित्र को काटकर सेब खिलाओ। मुझे केवल मात्र उनके दर्शन करने हैं। भारत में अनेक दर्शनीय देखने योग्य स्थान हैं। <p>3. कविता लेखन— किसी भी विषय पर एक स्वरचित कविता लिखें।</p>

Mathematics	<p>1. Learn Tables from 6 to 19. Write and practice them.</p> <p>2. Watch the movie Ramanujan on YouTube and write about his contribution in the field of Mathematics. Also mention the name of theories that he has given to the world of Mathematics.</p> <p>3. What is Mean or Arithmetic mean? Write about it. Write the minimum and maximum temperature of your area from the newspaper or internet. Find mean of maximum temperature and minimum temperature for 15 days.</p> <p>4. How many family members do you have? Write their names, their relation with you and their ages. Also find their Mean and Medium ages.</p> <p>5. Review Chapter 1 (Integers) and Chapter 2 (Fractions and Decimals) be ready for a welcome Class Test on 10th July 2025</p> <p>NOTE: Do in A4 sheet paper and compile in a file.</p>
Science	<p>1. Collect pictures and information on different type of thermometers. Paste your pictures in scrapbook and write about their features and purpose for which they are used.</p> <p>2. Prepare a chart on the given topic according to your roll number. Use half of the chart paper.</p> <p>a. Mode of Nutrition Roll number: 1 to 7</p> <p>b. Digestion in ruminant Roll number 8 to 14</p> <p>c. Human digestive system Roll number 15 to 21</p> <p>d. Human excretory system Roll number 22 to 28</p> <p>e. Mode of transfer of heat Roll number 29 to 35</p> <p>f. Human respiratory system Roll number 36 to 42</p> <p>g. Human heart Roll number 43 onwards.</p>
Social Science	<p>Project Work: (Use A4 sheets and compile in a file)</p> <p>1. My Dream Eco-Friendly City</p> <ul style="list-style-type: none"> • Objective: Understand urban planning, environment, and sustainability. • Activity: Draw a layout of your dream city that includes: <ul style="list-style-type: none"> • Renewable energy sources (solar, wind, etc.) • Green spaces (parks, forests) • Sustainable transportation (electric buses, bicycles) • Water conservation methods • What to Submit: Drawing + a short description (100-120 words) <p>2. Do the following in your Map Booster books:</p>

	<p>Geography - Map number 7,9,10,11.</p> <p>History - Map number 24, 26,27,30.</p>
Computer	<p>Collect information about any 5 AI apps and their creators. Paste the pictures also.</p> <p>Do in A4 sheet paper.</p>
General Knowledge	<p>Kindly refer to page number 3 of current affairs book.</p> <p>Write the names of ministers who are presently holding the portfolios given on left side.</p>
French	<p>VII- A Write Greetings in French on an A4 sheet.</p> <p>VII- B Francophone countries names on an A4 sheet.</p> <p>VII-C French numbers 1-100 on A4 sheet.</p>

INSPIRATION PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK
SESSION-(2025-26)

Subject	Class VIII
English	<p>Homework 1 :- Chapter 20_ Vocabulary Page Number 154 All Exercises. Chapter 21 _Comprehension Passage (The Ferryman) and (Importance of books) Page 159-163 All Work to be done in book only *****</p> <p>Homework 2 - *For Roll no. 1 to 26* Read the famous book ‘Swami and Friends’ by R.K.Narayan 1. Write a short summary of the story (75 words) and name the main characters. 2. Choose 10 interesting adjectives and 10 adverbs from the book and find their dictionary meanings. 3. Find one synonym and one antonym for all the 20 words. 4. Make interesting sentences using any 10 words. 5. Present your work creatively *****</p> <p>Homework 3 - *For Roll no 27 to 51* On the basis of your reading of the poem ‘The Ant and the Cricket’ of Unit-1 of your course book *Honeydew* do the following: a) Make a poster on ‘The Need and Benefits of hard work’. b) Write your own poem on hard work or discipline. Then present your work after vacation. Write poem on a colourful sheet. *****</p>
Hindi	<p>१) किसी विषय पर स्वरचित कविता लिखो। २) रोज के क्रिया कलापों का वर्णन करते हुए डायरी लेखन करो</p>

<p>Mathematics</p>	<p>1) Create a mini foldable book using different sheets (origami, handmade) where each page features a different type of quadrilateral (square, rectangle, rhombus, trapezium, etc.). Include the following on each page:</p> <ul style="list-style-type: none"> ➤ Name of the shape. ➤ Properties (e.g., sides, angles). ➤ Real-life examples (e.g., windows, signs, tiles). <p>2) Activity: Imagine you are creating a budget for a party, or for buying clothes or gifts. Use linear equations to calculate how much money you will spend based on the number of items you buy.</p> <p>Example: "You want to buy pens and notebooks. Each pen costs ₹15 and each notebook costs ₹50. You want to buy xxx pens and yyy notebooks, and your total budget is ₹500. Write the equation for this situation and find out how many pens and notebooks you can buy with your budget."</p> <p>Task: Write five such equation, solve it, and give a detailed explanation of your solution (Do in A4 sheets)</p>
<p>Science</p>	<p>1. Visit a farm observe the various agricultural practices interact with the farmers take photographs and paste them in a scrapbook and also write the details about the crops.</p> <p>2. Prepare a PPT on the following topics according to your roll numbers.</p> <ul style="list-style-type: none"> a. Collect the information of coal reserves in India Roll number 1 to 10 b. Collect the information of petroleum and natural gas reserves in India Roll number 11 to 20 c. Collect the information about migratory birds in India and Project Tiger Roll number 21 to 30 d. Collect the information about Endemic flora and fauna in Uttarakhand Roll number 31 to 40 e. Collect the information of National Parks and Wildlife sanctuaries in Uttarakhand Roll number 41 to last roll number
<p>Social Science</p>	<p>Find out and write down the following questions (A4 Size) for all the states of India-</p> <ul style="list-style-type: none"> i) Name of the State ii) Capital of the state iii) State Language iv) State Bird v) State Animal vi) Name of the Governor and Chief Minister vii) Area of the state and Population <p>Fill the following maps in your map booster book</p> <p>Geography - Map number 14 -19</p> <p>History - Map number 41-45</p>

French	VIII - A – Write 10 Er Verbs in French on A4 sheet. VIII - B – Write 10 IR Verbs in French on A4 sheet. VIII- C – Write 10 re Verbs in French on A4 sheet.
Computer	Collect Information about 5 network devices. Paste their pictures also(Do in A4 sheet)
General Knowledge	Kindly refer to page number 3 of current affairs book. Write the names of ministers who are presently holding the portfolios given on left side.

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- IX

1. English

Create a Vlog about your favourite recipes_ (In English)

Share your passion for cooking by creating vlog where you showcase your favourite recipes. Provide step-by-step instructions, ingredient lists, and helpful tips to guide viewers through the cooking process. Don't forget to add a personal touch by sharing stories and memories associated with the recipes. Your video should not be of more than 3 minutes. Kindly send it to your subject teacher personally.

2. Science

1. Visit a farm, observe the various agricultural practices, interact with the farmers, take photographs and paste them in a scrapbook and also write the details about the crops and the tools / techniques that are used to practice in fields.

2. Prepare a PPT/ Project file on the following chapters according to your roll numbers. (5-10 pages)

a. Matter around us **Roll number 1 to 10**

b. Motion along with the examples from your daily life **Roll number 11 to 20**

c. The fundamental unit of life: Cell (cell membrane, cell wall, nucleus and cytoplasm) **Roll number 21 to 30**

d. The fundamental unit of life: Cell (Cell Organelles and cell division) **Roll number 31 to 40**

e. Is Matter around us pure? **Roll number 41 onwards**

NOTE - This activity will be marked.

3. IT

Using any word processing software, do the following:

1. Create a cover page for IT Practical File.

Mention following in the given sequence in the cover page:

1. Image and Logo of School
2. Inspiration Senior Secondary School\
3. Information Technology
4. Practical File

5. Submitted To , Submitted By (at the bottom of Cover Page)

2. Design a certificate of achievement.
3. Create timetable of your class.
4. Make a poster on any one of the following:
 - a. Importance Of Information Technology
 - b. Energy Conservation
 - c. Time Management

Note: Apply formatting effects and send the pdf to your IT teacher. Once it is confirmed from the teacher, attach its hard copy in a file and submit it.

4. हिंदी

प्रश्न 1) कबीर दास का जीवन परिचय देते हुए उनके द्वारा रचित किन्हीं 10 दोहों को भावार्थ सहित लिखिए। (आपकी पाठ्य पुस्तिका में आए दोहों के अतिरिक्त)
प्रश्न 2) प्रेमचंद द्वारा रचित कहानी पंचपरमेश्वर या बूढ़ी काकी का सार अपने शब्दों में लिखिए।

5. Maths

Do all NCERT questions of chapters Number system, Polynomial and Coordinate Geometry in separate copy.

6. Social Science

- The project should be handwritten, neatly presented, and submitted after the holidays.
- Use A4 sheets or a scrapbook with headings, subheadings, pictures, and maps wherever applicable.

Constitutional Design of India

Project Title: Understanding the Constitution of India – Its Journey and Relevance

Tasks:

- 1) Write a brief history of how the Indian Constitution was framed (include the role of the Constituent Assembly).
- 2) Explain at least 5 key features of the Constitution (like secularism, democracy, fundamental rights).
- 3) Make a timeline of major events during the drafting of the Constitution (1946–1950).
- 4) Mention one inspiring quote from Dr. B. R. Ambedkar and explain its meaning.

5) Design a mini Constitution Preamble Poster using creative art.



INSPIRATION PUBLIC SCHOOL

SESSION-(2025-26)

Class-X

HINDI

1. निबंध लेखन

1. आलस्य मनुष्य का सबसे बड़ा शत्रु
2. पुस्तकें पढ़ने की आदत

2. पत्र लेखन

1. मित्र को पत्र लिखकर बताइए कि महानगरीय जीवन किस प्रकार सुखद भी है और दुखद भी)
2. नई बसे आरंभ करने हेतु राज्य सड़क परिवहन निगम के महाप्रबंधक को पत्र लिखें (व्याकरण कॉपी में कार्य करें)

ENGLISH

1) Prepare 7 flashcards – one for each chapter listed below .

- A Letter to God
- A Triumph of Surgery
- Dust of Snow
- Fire and Ice
- Nelson Mandela: Long Walk to Freedom
- The Thief's Story
- A Tiger in the Zoo

Each flashcard must include the following:

Front Side:

Chapter Title

A **symbolic image**, icon, or **sketch** representing the chapter

A **3-word summary** of the central theme or message

Back Side:

Choose **one creative response** type for each chapter (**do not repeat the same** for all). Options include:

Quote of the Chapter – One striking or meaningful line from the text

Moral or Message – A one-line takeaway or life lesson

Character Reflection – A line that the main character might say if interviewed today

Chapter Rename – Suggest a creative alternate title

Symbolic Object – Describe an object that represents the chapter and explain why

One-Liner Advice – Advice you would give to a character in that situation

Mood Emoji Review – Use three emojis to express how the chapter made you feel, along with a short explanation

Submission Options: Handmade Flashcards (on coloured paper or use your creativity)

2. You are the young thief (Hari Singh). After running away from Anil's house and then returning, write a diary entry confessing your inner conflict, guilt, and the strange kindness you received.

OR

Imagine you are Tricki. After recovering and returning home, write a diary entry describing your experience at the hospital, the freedom you felt, and your feelings toward Mrs. Pumphrey and Dr. Herriot.

3. Grammar Practice Sheet:

Instructions: Fill in the blanks or rewrite the sentences as directed.

- 2) You ____ (not / stay) out so late on a school night. It's against the rules.
- 3) By the time the train arrives, we ____ (wait) for more than two hours.
- 4) Each of the students ____ (was/were) given a chance to speak.
- 5) If you had told me earlier, I ____ (can) have helped you.
- 6) I wish I ____ (know) about the test earlier.
- 7) Neither the teacher nor the students ____ (has/have) reached the hall yet.
- 8) He ____ (live) in Delhi since 2018.
- 9) You ____ (must/might) be tired after such a long journey.
- 10) While I ____ (walk) home, I saw a strange light in the sky.
- 11) The jury ____ (was/were) divided in their opinions.
- 12) We ____ (have to) wear seatbelts while driving.
- 13) You ____ go out in this weather without an umbrella. It's too risky.
- 14) By the time the bell rings, the students ____ waited for over half an hour.
- 15) Neither of the boys ____ willing to take the blame.
- 16) If you had listened carefully, you ____ have understood the instructions.
- 17) I wish I ____ how to solve this math problem.
- 18) The team ____ celebrating their unexpected victory.
- 19) She ____ in this city since she was a child.
- 20) You ____ speak politely to your elders.
- 21) While the children ____ playing outside, it suddenly started to rain.
- 22) Each of the players ____ given a separate locker.
- 23) You ____ complete this assignment before the deadline.
- 24) **Change the voice:**
 - a. They will announce the results tomorrow.
 - b. The homework was submitted by the students on time.
 - c. People speak English in many countries.
 - d. She has written three novels.
 - e. The manager will approve your application tomorrow.
 - f. The cake was baked by my sister.

- g. People admire great leaders.
- h. They have painted the entire house.

MATHEMATICS

Make a project file of all the formulas of 14 chapter of NCERT book.

SCIENCE

Frame 20 Mcqs from each of the following chapters given below after reading the chapters thoroughly and tick the correct option.

1. Chemical reactions and equations. (20 mcqs)
2. Light reflection and refraction (20 mcqs)
3. Human eye and colourful world (20 mcqs)
4. Life processes (20 mcqs)

NOTE

- * Kindly do this work in a separate notebook neatly.
- * It will be taken as an activity containing marks.

SOCIAL SCIENCE

You are required to prepare a detailed project on one of the following topics:

1. **Consumer Awareness**
2. **Social Issues:** (any one)

Poverty and Unemployment

These issues are interconnected, with unemployment often exacerbating poverty and lack of basic necessities.

Migration

Rural-to-urban migration can create challenges in urban areas, while rural areas face depopulation and labor shortages.

*Understanding the causes and consequences of criminal activity, including gang violence and drug abuse, is important.

Discrimination

Exploring different forms of discrimination, including caste-based discrimination in India and gender-based discrimination, is crucial.

Health and Education

Focusing on access to quality healthcare and education, particularly for marginalized communities, is vital.

Gender Inequality

This includes exploring gender-based violence, discrimination in education and employment, and the struggle for equal rights.

Family Problems:

Issues like domestic violence, child abuse, and divorce can impact individuals and families

3. **Sustainable Development**

Your project should include the following:

- *Introduction to the topic*
- *Historical background and evolution*
- *Key features and practices*
- *Cultural and regional variations*
- *Current trends and changes*
- *Relevant case studies or examples*
- *Conclusion and personal reflections*

Make sure to use authentic sources, provide proper citations, and present your work in a well-organized manner. You may include charts, images, or interviews to enrich your content.

The deadline for submission is [10/07/25].

Please ensure your project is original, well-researched, and clearly written.

Steps involved in the conduct of the project: Students may work upon the following lines as a suggested flow chart:



10

INFORMATION TECHNOLOGY

Practical Work

Digital Documentation (Advanced)

Use **Writer** application of **Libre Office**.

10 Marks

Session 1: STYLES IN A DOCUMENT

- Q1.** Create a Paragraph style namely 'My Style' with these settings: Font size: 10 Font color: Blue
Before and After paragraph spacing :0.06" Font name: Verdana;

First line indent: 0.04" : Line spacing: 1.5 lines

OR

Create a character style name "Italicolor" which makes the selected text italic and having colour as Red.

Session 2: IMAGES IN A DOCUMENT

Q2. Make a **Family tree** related to your family in an interactive way. You can put pictures also to make it more relatable. Use drawing toolbar and then format it at your best. Begin it from maternal and paternal grandparents.

OR

1. Open Writer
2. In a blank document, load a clipart from gallery and an image of your choice.
3. Arrange these two loaded elements next to one other horizontally.
4. Add a line below these two.
5. Group the clipart, image and the line.
6. Change the size of grouped elements.
7. Add some text to the screen and let it flow on the image. (Use text wrapping)
8. Save your work.

Session 3: CREATE AND USE TEMPLATE

Q3. Create a template for a Challan /Invoice/ a formal official document. (**any 1**)

OR

Q. Create an online template using the link: <https://extensions/libreoffice.org> and create a formatted template for a Recipe/ Calendar/Budget etc. (**any 1**)

Session 4: TABLE OF CONTENTS

Q4. Q. Create a TOC for topics of any subject of your choice that can store 5 level of headings. The document should include

- a) Chapter headings
- b) A bulleted or numbered list as subheadings
- c) A picture as the background
- d) A header with student name & date
- e) A footer with pagination

***Note:** You have to take screen shots of every question done practically using Libre office Writer and paste all screen shots in a word file with proper headings (Session no. and question no. with complete question), save it as pdf and then take printouts.

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class-XI A

Subject	Homework
Biology	Do solve all the NCERT questions of chapter 3 and chapter 4
Physics	50 MCQ's, 50 Assertion-Reasoning & 20 Case based (From Unit & Dimensions, Motion in One Dimensions, Vector Analysis)
Chemistry	1. Solve Ncert Exercises of Ch-1 and Ch-2 in a separate note book. 2. Make a chart on any topic of chemistry
Physical Education	1. Physical Fitness Test:- SAI Khelo India Test, Brockport Physical Fitness Test (BPFT). 2. Proficiency in Games and Sports mentioned in physical education book. (Skills of any one IOA recognised sports/game of choice) 3. Yoga practice - write any three asanas of standing, sitting and lying. Write their procedure, Benefits and contraindications. (NOTE - ALL OF THESE HAVE TO BE WRITTEN IN PHYSICAL LAB MANUAL.)
Maths	Chapter - Sets, Relation and Function, Trigonometry. 1. Practice Ncert Question from each Chapter as mentioned above. 2. Case Based Study from each Chapter as mentioned above. 3. Draw the graph for Trigonometry Function, Logarithm Function and exponential Function in Graph paper.
Hindi	Project Work (परियोजना कार्य)
English	Task: Note-making and Summarising Select any 3 comprehension passages of your choice and make notes and write summary on the basis of your reading and understanding of the passages.
PSYCHOLOGY	Q1. Write about five psychologists including their contributions (refer to chapter 1). Q2. Complete Questions and Answers of the chapter on Human Development in your notebook

Attempt these questions on A4 sheets or ruled file paper, and arrange them in a practical file.

Each program should be handwritten neatly followed by the output.

Write the given programs using Python Programming with proper prompts and messages:

1. Input the age from the user and find out its eligibility criteria to vote.
2. To input Principal, Rate and Time and calculate Simple Interest.

$$((P \times R \times T) / 100)$$
3. To input your name and marks of 5 subjects (out of 100) then calculate and print its total, average, percentage and calculate the grade as per the given specifications:

Criteria	Grade
90 -100	A
80-89	B
70-79	C
60-69	D
Less than 60	E

4. Make a menu-based program to input the required values according to shape and calculate the perimeter /circumference and area of shapes such as rectangle, square and circle according to your choice. **(use if – elif – else)**
5. Input any number from 1-7 and print the respective weekday (Sunday=1). Also write a proper message “Wrong entry...” if the user enters any number other than 1 to 7.
6. Input a number by user and print table of that number. **(use for loop)**
 Format should be like this (if user enters 6):
 $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$ and so on...

IP

YOGA

Holiday homework - Make practical file with 20 Asana (write about each asana precautions and benefits, asana should be draw)

AI

Note: The following are to be included in Practical File

Do the following activity/Programs in a A4 plain sheet or ruled file paper neatly and clearly.

1] Categorize the following applications into the three domains: Data Science, Natural Language Processing (NLP), and Computer Vision.

1. *Gesture recognition for human-computer interaction*
2. *Chatbots for customer service*
3. *Spam email detection*
4. *Autonomous drones for surveillance*
5. *Google Translate*
6. *Fraud detection in financial transactions*
7. *Augmented reality applications (e.g., Snapchat filters)*
8. *Sports analytics for performance optimization*
9. *Object detection in autonomous vehicles*
10. *Recommendation systems for e-commerce platforms*
11. *Customer segmentation for targeted marketing*
12. *Text summarization for news articles*
13. *Automated subtitles for videos*
14. *Medical image diagnosis*
15. *Stock prediction*

Data Science	Natural Language Processing	Computer Vision

2]. IBM Skills Build (one certification) – Introduction to AI

3]. List five companies that are currently hiring for the specific AI positions mentioned below:

AI Consultant	NLP Engineer	AI Ethicist
---------------	--------------	-------------

4]. List the technical and soft skills required by any two companies for the specific AI position mentioned in Question 3. For example, the skills listed by IBM are provided here—add the information for a second company.

Technical Skills	Soft Skills	Link to the website
<ol style="list-style-type: none"> 1. Proficiency in programming languages such as Python, Java, or C++. 2. Experience with machine learning frameworks such as TensorFlow, PyTorch, or scikit-learn. 3. Knowledge of natural language processing (NLP) techniques and libraries. 4. Familiarity with deep learning architectures and algorithms. 	<ol style="list-style-type: none"> 1. Strong problem-solving abilities and analytical thinking. 2. Excellent communication skills, both verbal and written. 3. Collaboration and teamwork, including the ability to work effectively in interdisciplinary teams. 4. Adaptability to changing requirements and environments. 	<p>(https://www.ibm.com/employment/)</p>

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- XI C

1. ENGLISH

Task: Note-making and Summarizing.

Select any 3 comprehension passages of your choice and make notes and write summary on the basis of your reading and understanding of the passages.

2. ECONOMICS

‘Worksheet for Economics’

3. ACCOUNTANCY

Prepare Accounting Equation (20 Transactions) in A4 Sheet

And also prepare Balance Sheet

OR

The following images have to be uploaded in A 4 Sheet (File) and write down about them.

voucher

pay in slip

cheque

cash memo

Receipts

Invoice or Bill

Debit Note

Credit Note

4. BUSINESS STUDIES

Make the portfolio of top 10 Business tycoons of India in an a3 sheet. (include their detailed background and the form of organization they run).

5. IP (Python Programming) Practical Assignment

Attempt these questions on A4 sheets or ruled file paper, and arrange them in a practical file. Each program should be handwritten neatly followed by the output.

Write the given programs using Python Programming with proper prompts and messages:

1. Input the age from the user and find out its eligibility criteria to vote.
2. To input Principal, Rate and Time and calculate Simple Interest. $(P \times R \times T) / 100$

3. To input your name and marks of 5 subjects (out of 100) then calculate and print its total, average, percentage and calculate the grade as per the given specifications:

Criteria	Grade
90 -100	A
80-89	B
70-79	C
60-69	D
Less than 60	E

4. Make a menu based program to input the required values according to shape and calculate the perimeter /circumference and area of shapes such as rectangle, square and circle according to your choice. [**use if – elif – else**]
5. Input any number from 1-7 and print the respective weekday (Sunday=1). Also write a proper message “Wrong entry...” if the user enters any number other than 1 to 7.
6. Input a number by user and print table of that number. [**use for loop**]
Format should be like this (if user enters 6): $6 \times 1 = 6$
 $6 \times 2 = 12$
 $6 \times 3 = 18$ and so on...

6. Maths

Chapter - Sets , Relation and Function , Trigonometry.

- 1) Practice Ncert Question from each Chapter as mentioned above.
- 2) 2 Case Based Study from each Chapter as mentioned above.
- 3) Draw the graph for Trigonometry Function, Logarithm Function and Exponential Function in Graph paper.

7. HINDI

‘Project Work’

8. PHYSICAL EDUCATION

* Physical Fitness Test: SAI Khelo India Test Backport Physical Fitness Test (BPFT)

* Proficiency in Games and Sports mentioned in physical education book (Skills of any one IOA recognized sports/game of choice)

* Yoga practice – write any three asanas of standing, sitting and lying asanas. Write their procedure, Benefits and contraindications.

**(Note – ALL OF THESE HAVE TO BE WRITTEN IN PHYSICAL LAB MANUAL)*

9. PSYCHOLOGY

Q1. Write about five psychologist including their contributions (refer to chapter 1).

Q2. Complete Questions and Answers of the chapter on Human Development in your notebook

10. YOGA

Holiday homework - Make practical file with 20 Asana (write about each asana precautions and benefits, asana should be draw)

11. AI (843) Practical File Assignment

Note: The following are to be included in Practical File

Do the following activity/Programs in a A4 plain sheet or ruled file paper neatly and clearly.

1] Categorize the following applications into the three domains: Data Science, Natural Language Processing (NLP), and Computer Vision.

1. *Gesture recognition for human-computer interaction*
2. *Chatbots for customer service*
3. *Spam email detection*
4. *Autonomous drones for surveillance*
5. *Google Translate*
6. *Fraud detection in financial transactions*
7. *Augmented reality applications (e.g., Snapchat filters)*
8. *Sports analytics for performance optimization*
9. *Object detection in autonomous vehicles*
10. *Recommendation systems for e-commerce platforms*
11. *Customer segmentation for targeted marketing*
12. *Text summarization for news articles*
13. *Automated subtitles for videos*
14. *Medical image diagnosis*
15. *Stock prediction*

Data Science	Natural Language Processing	Computer Vision

2]. IBM Skills Build (one certification) – Introduction to AI

3]. List five companies that are currently hiring for the specific AI positions mentioned below:

AI Consultant	NLP Engineer	AI Ethicist

4]. List the technical and soft skills required by any two companies for the specific AI position mentioned in Question 3. For example, the skills listed by IBM are provided here—add the information for a second company.

Technical Skills	Soft Skills	Link to the website
<ol style="list-style-type: none">1. Proficiency in programming languages such as Python, Java, or C++.2. Experience with machine learning frameworks such as TensorFlow, PyTorch, or scikit-learn.3. Knowledge of natural language processing (NLP) techniques and libraries.4. Familiarity with deep learning architectures and algorithms.	<ol style="list-style-type: none">1. Strong problem-solving abilities and analytical thinking.2. Excellent communication skills, both verbal and written.3. Collaboration and teamwork, including the ability to work effectively in interdisciplinary teams.4. Adaptability to changing requirements and environments.	<p>(https://www.ibm.com/employment/)</p>

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- XI E

1. Political Science (Holiday Homework 2025–26)

Books: Indian Constitution at Work & Political Theory

Dear Students,

As part of your holiday homework, you are required to prepare a project work based on any one of the topics given below. These topics are drawn from the first two chapters of each Political Science textbook, and aim to deepen your understanding of the Indian Constitution and foundational political ideas.

Choose ONE of the following topics:

1. Philosophy of the Indian Constitution

Explore the key values enshrined in the Preamble: Justice, Liberty, Equality, and Fraternity.

Discuss how these values shape democratic governance in India.

Include visuals like the original Preamble and timeline of Constitution making.

2. Features of the Indian Constitution

Analyze features such as federalism, separation of powers, parliamentary system, and fundamental rights.

Explain why the Indian Constitution is considered unique and comprehensive.

Add flowcharts, tables, and case studies (e.g., Kesavananda Bharati case).

3. What is Politics? (From Political Theory)

Define politics in everyday life and at institutional levels.

Examine how conflicts and cooperation are part of political processes.

Provide examples from recent political events or public debates.

4. Freedom and Its Dimensions (From Political Theory)

Explain the concept of freedom and the distinction between negative and positive liberty.

Discuss reasonable restrictions on freedom with real-life illustrations.

Include quotes from thinkers like Isaiah Berlin, Gandhi, or Ambedkar if possible.

Project Guidelines:

Project must be neatly handwritten.

Use headings, subheadings, bullet points, and diagrams where needed.

You may include charts, newspaper clippings, quotes, illustrations, or timelines.

Length: 14-18 pages (approx.)

Attach a cover page, table of contents, and bibliography at the end.

2. History (027) (Holiday Homework 2025–26)

Book: Themes in World History

Dear Students,

As part of your holiday homework, you are required to complete a project work based on one of the first three chapters of your History syllabus. This activity is aimed at helping you develop critical thinking, research, and presentation skills while exploring the ancient and medieval world

Choose ONE of the following topics:

1. Writing and City Life

Trace the origin of writing in Mesopotamia and its uses.

Explore how cities like Ur and Uruk were planned and governed.

Include images of clay tablets, cylinder seals, ziggurats, or maps of Mesopotamia.

2. An Empire Across Three Continents (The Roman Empire)

Describe the extent and governance of the Roman Empire.

Analyze Roman social classes, military, and taxation.

Highlight Roman architecture or contributions in law and administration.

3. Nomadic Empires (The Mongols)

Study the life of Genghis Khan and the expansion of the Mongol Empire.

Explain the Mongols' military strategies, trade policies, and rule.

Illustrate with maps showing Mongol expansion and key trade routes.

Project Guidelines:

Project should be handwritten or neatly typed.

Use charts, maps, pictures, or timelines for better presentation.

The content must be original and plagiarism-free.

Length: 14–18 pages (approx.)

Attach a cover page, table of contents, and bibliography at the end.

3. Sociology: Holiday Homework

You are required to prepare a detailed project on one of the following topics:

1. Marriages in India
2. Indian Kinship
3. Religion in India
4. Your project should include the following:
5. Introduction to the topic
6. Historical background and evolution
7. Key features and practices
8. Cultural and regional variations
9. Current trends and changes
10. Relevant case studies or examples
11. Conclusion and personal reflections

Make sure to use authentic sources, provide proper citations, and present your work in a well-organized manner. You may include charts, images, or interviews to enrich your content.

The deadline for submission is [10/07/25].

Please ensure your project is original, well-researched, and clearly written.

Guidelines for Sociology Project Work: 20 Marks

One Project to be done throughout the session, as per the existing scheme.

1. Steps involved in the conduct of the project: Students may work upon the following lines as a suggested flow chart:



4. Psychology-Holiday Homework

Q1. Write about five psychologist including their contributions (refer to chapter 1).

Q2. Complete Questions and Answers of the chapter on Human Development in your notebook .

5. Yoga-Holiday Homework

Make practical file with 20 Asana(write about each asana precautions and benefits, asana should be draw)

6. English- Holiday Homework

Task: Note-making and Summarising

Select any 3 comprehension passages of your choice and make notes and write summary on the basis of your reading and understanding of the passages.

7. AI (843) Practical File Assignment- Holiday Homework

Note: The following are to be included in Practical File

Do the following activity/Programs in a A4 plain sheet or ruled file paper neatly and clearly.

1] Categorize the following applications into the three domains: Data Science, Natural Language Processing (NLP), and Computer Vision.

1. *Gesture recognition for human-computer interaction*
2. *Chatbots for customer service*
3. *Spam email detection*
4. *Autonomous drones for surveillance*
5. *Google Translate*
6. *Fraud detection in financial transactions*
7. *Augmented reality applications (e.g., Snapchat filters)*
8. *Sports analytics for performance optimization*
9. *Object detection in autonomous vehicles*
10. *Recommendation systems for e-commerce platforms*
11. *Customer segmentation for targeted marketing*
12. *Text summarization for news articles*
13. *Automated subtitles for videos*
14. *Medical image diagnosis*
15. *Stock prediction*

Data Science	Natural Language Processing	Computer Vision

2]. IBM Skills Build (one certification) – Introduction to AI

3]. List five companies that are currently hiring for the specific AI positions mentioned below:

AI Consultant	NLP Engineer	AI Ethicist

4]. List the technical and soft skills required by any two companies for the specific AI position mentioned in Question 3. For example, the skills listed by IBM are provided here—add the information for a second company

Technical Skills	Soft Skills	Link to the website
<ol style="list-style-type: none"> 1. Proficiency in programming languages such as Python, Java, or C++. 2. Experience with machine learning frameworks such as TensorFlow, PyTorch, or scikit-learn. 3. Knowledge of natural language processing (NLP) techniques and libraries. 4. Familiarity with deep learning architectures and algorithms. 	<ol style="list-style-type: none"> 1. Strong problem-solving abilities and analytical thinking. 2. Excellent communication skills, both verbal and written. 3. Collaboration and teamwork, including the ability to work effectively in interdisciplinary teams. 4. Adaptability to changing requirements and environments. 	(https://www.ibm.com/employment/)

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- XII Science

Holiday Homework for Summer break (Physics Class XII):

50 MCQ's, 50 Assertion-Reasoning & 20 Case based (From complete Electrostatics, till Capacitance)

Chemistry Holiday Homework for Summer Break

PROJECTS

PROJECTS FOR BOARD EXAM 2025-26:

Project 1)- Study of the presence of oxalate ions in guava fruit at different stages of ripening.

Project 2)- Study of quantity of casein present in different samples of milk.

Project 3)- Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.

Project 4)- Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)

Project 5)- Study of digestion of starch by salivary amylase and effect of pH and temperature on it.

Project 6)- Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.

Project 7)- Extraction of essential oils present in Saunf (aniseed), Ajwain (carom), Ilaichi (cardamom).

Project 8)- Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chili powder and pepper.

PROJEC T 1	PROJEC T 2	PROJEC T 3	PROJEC T 4	PROJEC T 5	PROJEC T 6	PROJEC T 7	PROJEC T 8
Roll No. 1	Roll No. 2	Roll No. 3	Roll No. 4	Roll No. 5	Roll No. 6	Roll No. 7	Roll No. 8
Roll No. 9	Roll No. 10	Roll No. 11	Roll No. 12	Roll No. 13	Roll No. 14	Roll No. 15	Roll No. 16
Roll No. 17	Roll No. 18	Roll No. 19	Roll No. 20	Roll No. 21	Roll No. 22	Roll No. 23	Roll No. 24
Roll No. 25	Roll No. 26	Roll No. 27	Roll No. 28	Roll No. 29	Roll No. 30	Roll No. 31	Roll No. 32
Roll No. 33	Roll No. 34	Roll No. 35	Roll No. 36	Roll No. 37	Roll No. 38	Roll No. 39	Roll No. 40
Roll No. 41	Roll No. 42	Roll No. 43	Roll No. 44	Roll No. 45	Roll No. 46		

NOTE: INVESTIGATORY PROJECT SHOULD BE ACCORDING TO YOUR CLASS ROLL NUMBER.

Holiday Homework for Summer break (Maths Class XII)

Chapter - Relation and Function, Inverse Trigonometry Function, Matrices and Determinant:

- 1) 10 MCQ's Question from each Chapter as mentioned above.
 - 2) 2 Case Based Study from each Chapter as mentioned above.
 - 3) Practice 10 Previous year Board Question from each Chapter as mentioned above.
-

Holiday Homework for Summer break (IP Class XII)

Practical Record File

Make a Practical record file: Programs should be printed on **white A4 size** sheet with proper topic headings (question) and coding with proper comments (where ever required) followed by **output of program** with proper inputs.
(Solution of first question is given as an example).

The whole file has to be in printed form. You can print the file in black and white or coloured whichever is feasible for you. The prints must be clear and the font size properly readable.

Submit the work by July 04, 2025 positively.

:- Question – 1 :-

Write a program to create a Series object using a dictionary that stores the number of students in each section of class 12 in your class.

Code: -

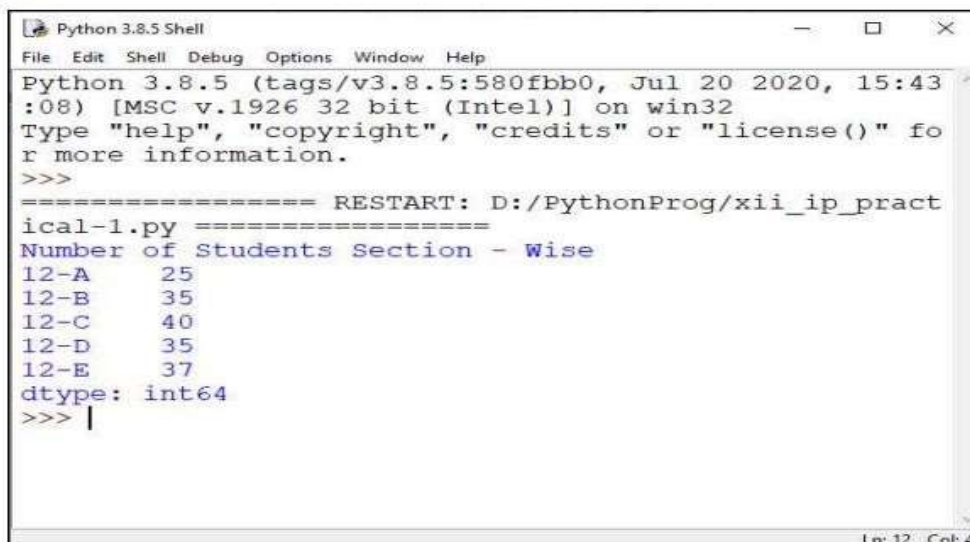
```
import pandas as pd
import numpy as np

classDict = {'12-A':25, '12-B':35, '12-C':40, '12-D':35, '12-E':37}

serSection = pd.Series(classDict)

print("Number of Students Section - Wise")
print(serSection)
```

Output: -



```
Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/PythonProg/xii_ip_practical-1.py =====
Number of Students Section - Wise
12-A      25
12-B      35
12-C      40
12-D      35
12-E      37
dtype: int64
>>> |
```

Write python program for the following:

1. Write a program to create a Series object Se1 using a dictionary that stores the number of students in each section of class 12 of your school.
2. Write and Display the answers of both the Boolean indexing statements:

```
print (Se1>45)  
print(Se1[Se1>40])
```
3. To generate a series Se2 of 6 numbers with scalar value 56 having index values [a,b,c,d,e,f].
4. Use and display (in interactive mode) the working of all attributes of Series Se2 (of question no 2) and print the top 3 elements using the head function and last 4 elements using the tail function.
5. Create two series S1 having values [2,3,4,5] , index [a,b,c,d] and S2 values [6,7,8,9],index [a,x,c,z] respectively. Perform mathematical operations using operators [S1+S2 , S2-S1 , S1*S2 ,S2/S1] and methods [add(),sub(),mul(),div()].
6. To create a Data Frame from List of Dictionaries having at least 6 rows and 4 columns. [Take your six friend's marks in four subjects(column) ,friend name row index]
7. To create a Data Frame df from Dictionary of Series having at least 6 rows (six cities' name) and 4 columns (temperature on Mon, Tue, Wed, Thu days of first week of June.[following is a dummy sample dataframe you can take cities name according to your choice and change temperature of city accordingly])

	Mon	Tue	Wed	Thu
Haldwani	40	42	42	42
Bareilly	41	40	40	40
Delhi	42	43	43	43
Mumbai	43	43	43	43
Pune	44	42	42	42
Lucknow	42	40	40	40

8. To add a **new Column** 'Sun' with proper data to Data Frame df.
9. Display the total temperature of all cities as column name 'T_temp' by adding temperature of all five days.
10. To add a **new Row** having 'Dehradun' index with data to Data Frame df.
11. To delete a range of rows **2 to 4** from Data Frame df.
12. To delete a range of **columns 1 to 3** from Data Frame df.
13. To delete **any 2 random** Rows (i.e. not continuous) from a Data Frame df.
14. To delete **any 2 random** Columns (i.e. not continuous) from a Data Frame df.
15. To rename the **top two** Row Labels as 'City-1','City-2' and **third and fourth** Column Labels as 'Day-3','Day-4' of Data Frame df.
16. Use and display (**in interactive mode**) the working of **all** attributes of **Data Frames** on the pandas objects that you have created in question-6.

Importing/Exporting Data between CSV files and Data Frames

*Note: The code, CSV/TXT file, and the program output should be clearly displayed.

1-Write a program to read data from a CSV file (empl.csv or empl.txt) and create a Data Frame from it. The Data Frame should not use the file's column headers; instead, it should assign default column numbers as 0, 1, 2,

2- Write a program to store the df_12 DataFrame (from the previous question) into a file named emp.csv, using the pipe character (|) as the separator.

Data Visualization (Matplotlib Programs):

(1) Plot following data on line chart:

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Income	510	350	475	580	600

Apply following customization to the line chart:

1. Write a title for the chart “The Weekly Income Report”.
2. Write the appropriate titles of both the axes.
3. Write code to Display legends.
4. Display red color for the line.
5. Use the line style – dashed
6. Display diamond style markers on data points

(2) A Himalayan restaurant has recorded the following data into their register for their income by Drinks and Food. Plot them on the line chart.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Drinks	450	560	400	605	580
Food	490	600	425	610	625

Apply following customization to the line chart:

1. Write a title for the chart “The Weekly Restaurant Orders”.
2. Write the appropriate titles of both the axes.
3. Write code to Display legends.
4. Display your choice of colors for both the lines drinks and food.
5. Use the line style – dotted for drinks and dashdot for food.
6. Display plus markers on drinks and x markers of food.

(3) A survey gathers height and weight of 100 participants and recorded the participants' ages as:

ages= [1, 1,2,3,5, 7,8,9, 10, 10,11,13,13, 15, 16,17,18, 19,20, 21, 21,23, 24, 24, 24, 25,25, 25, 25,26, 26, 26, 27, 27, 27,27, 27, 29, 30, 30, 30,30, 31,33, 34, 34, 34, 35, 36, 36, 37, 37, 37, 38, 38, 39, 40,40, 41, 41,42, 43,45,45, 46,46, 46, 47,48, 48, 49, 50, 51, 51, 52, 52, 53, 54, 55, 56,57,58, 60, 61, 63,65, 66, 68, 70, 72, 74, 75,77,81, 83, 84, 87, 89, 9e, 91]

Write a program to plot a histogram from above data with 20 bins.

Write a title for the chart “Participants' Ages Histogram”.

(4) Write a Python program to show strength of different sections in a class using BAR CHART.

Sample data:

Group: A, B, C, D, E and

Strength: 50, 48, 46, 51, 55

Apply following customization to the chart:

1. Use different colors for each bar.
2. Title for x axis should be ‘Sections’ and title for y axis should be ‘Strength’.
3. Ensure the title of chart is ‘Section wise Strength’ and grid line must be shown.

Note: An index page listing the aforementioned programs should be appropriately positioned immediately following the front page within the file.

Holiday Homework for Summer break (Yoga Class XII)

Make practical file with 20 Asana (write about each asana precautions and benefits, asana should be draw)

Holiday Homework for Summer break (Hindi Class XII)

(परियोजना कार्य)

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Holiday Homework for Summer break (Physical Education Class XII)

- Physical Fitness Test:- SAI Khelo India Test, Brockport Physical Fitness Test (BPFT).
- Proficiency in Games and Sports mentioned in physical education book. (Skills of any one IOA recognised sports/game of choice)
- Yoga practice - write any three asanas of standing, sitting and lying. Write their procedure, Benefits and contraindications.

(NOTE - ALL OF THESE HAVE TO BE WRITTEN IN PHYSICAL LAB MANUAL.)

Holiday Homework for Summer break (AI Class XII)

12 AI (843) Practical File Assignment

Create a practical record file: Programs should be printed on white A4-sized sheets with appropriate topic headings (questions) and well-commented code (wherever necessary), followed by the program output using suitable inputs.

(format of the printed output is given below).

The entire file must be submitted in printed form. You may use either black-and-white or color printing, whichever is more feasible for you. The prints should be clear, and the font size must be easily readable.

Submit the work by July 4, 2025, without fail.

-: Question – 1 :-

Write a program to create a Series object using a dictionary that stores the number of students in each section of class 12 in your class.

Code: -

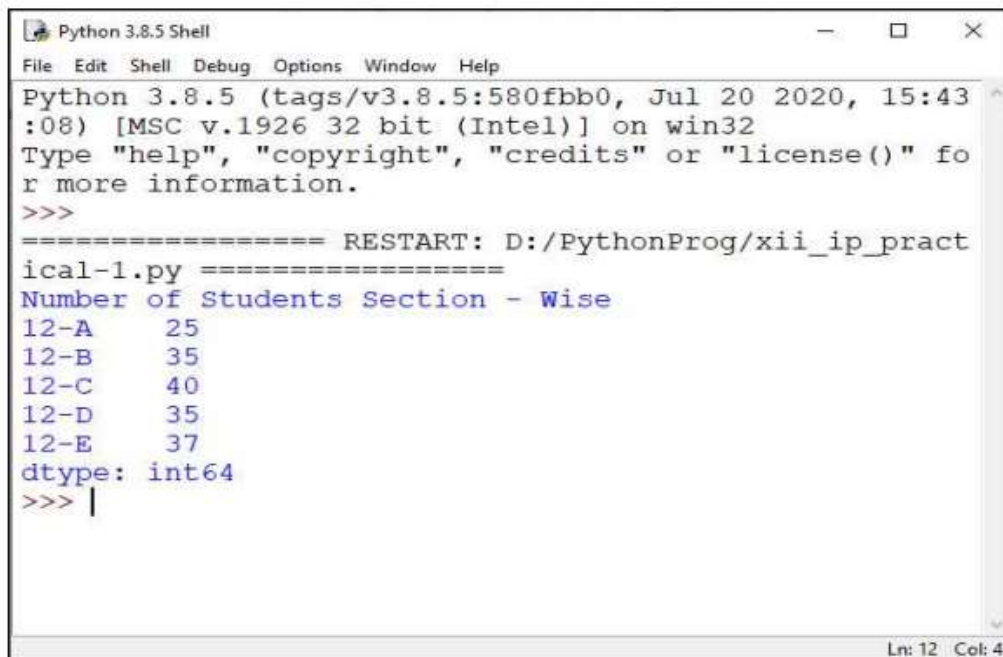
```
import pandas as pd
import numpy as np

classDict = {'12-A':25, '12-B':35 , '12-C':40, '12-D':35, '12-E':37}

serSection = pd.Series(classDict)

print("Number of Students Section - Wise")
print(serSection)
```

Output: -



```
Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/PythonProg/xii_ip_practical-1.py =====
Number of Students Section - Wise
12-A      25
12-B      35
12-C      40
12-D      35
12-E      37
dtype: int64
>>> |
```

Note: The following are to be included in the practical file:

I. Python

1. Write Python code to create a Pandas DataFrame using any sequence data type.
 - a) Display the DataFrame.
 - b) Display first 5 records.
 - c) Display last 10 records.
 - d) Display the number of missing values in the dataset.
 2. Download dataset in the form of CSV from any public open-source website.
 - a) Read CSV File and convert it into Pandas DataFrame.
 - b) Perform statistical functions on the dataset to check the data, checking missing values, filling missing data etc.
 3. Python Code to Evaluate a Model.
-

Holiday Homework for Summer break (Mass Media Class XII)

Mass Media Project Work (Code 835)

Objective: To explore different forms of advertising and collect various kinds of print advertisements. (To be pasted in a scrap book/ file papers)

Procedure:

(i) Collect two samples of the following:

- (a) A handbill (b) A poster (c) A leaflet (d) An ad. from a newspaper
(e) An ad. from a magazine

(ii) Paste them neatly in a scrap book or file.

(iii) Label them according to the category of advertising you have learnt.

(iv) Record your observation as follows:

S. NO	Sample	Description	What has been advertised	Category of advertisement
Example	Handbill	A yellow 6x4 inch thin sheet of paper, with words written leaning Centre	A coaching Centre	Service

Conclusion:

Answer the following questions based on your observations from the table.

1. What are the most common products advertised? Give example.
2. How is a handbill different from a magazine ad? Give example.
3. What are the most common services advertised? Give example.

Holiday Homework for Summer break (English Class XII)

Holiday Homework English (Project Work)

Name of the Project:

Write a biographical note on any author/poet (preferably from your syllabus)

Procedure:

Pg 1: Name of the project, Submitted to, Submitted by etc.

Pg 2: Index

Pg 3: Acknowledgement

Pg 4: Certificate

Pg 5 onwards: Early life, Education, Contribution in literary field, Achievements, Any other relevant matter

- **(Paste pictures wherever required)**
 - **Last pg.: Bibliography**
 - **(To be handwritten and submitted in a file)**
-
-

Holiday Homework for Summer break (Biology Class XII) -

Kindly prepare an investigatory project on the topic discussed in class

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Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- XII-Commerce

IP - Practical Record File

Create a practical record file: Programs should be printed on white A4-sized sheets with appropriate topic headings (questions) and well-commented code (wherever necessary), followed by the program output using suitable inputs.

(Solution of first question is given as a sample).

The entire file must be submitted in printed form. You may use either black-and-white or color printing, whichever is more feasible for you. The prints should be clear, and the font size must be easily readable.

Submit the work by July 4, 2025, without fail.

-: Question – 1 :-

Write a program to create a Series object using a dictionary that stores the number of students in each section of class 12 in your class.

Code: -

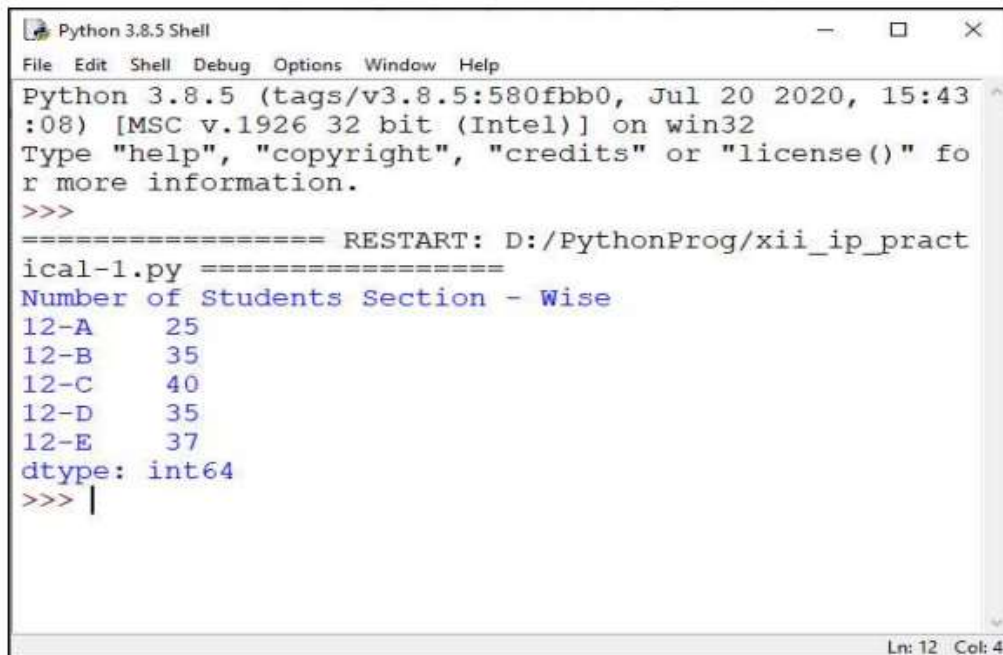
```
import pandas as pd
import numpy as np

classDict = {'12-A':25, '12-B':35 , '12-C':40, '12-D':35, '12-E':37}

serSection = pd.Series(classDict)

print("Number of Students Section - Wise")
print(serSection)
```

Output: -



```
Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/PythonProg/xii_ip_practical-1.py =====
Number of Students Section - Wise
12-A      25
12-B      35
12-C      40
12-D      35
12-E      37
dtype: int64
>>> |
```

Write python program for the following:

1. Write a program to create a Series object **Se1** using a dictionary that stores the number of students in each section of class 12 of your school.
2. Write and Display the answers of both the Boolean indexing statements:
`print (Se1>45)`
`print (Se1[Se1>40])`
3. To generate a series **Se2** of 6 numbers with scalar value 56 having index values [a,b,c,d,e,f].
4. Use and display (*in interactive mode*) the working of **all** attributes of Series **Se2** (of question no 2) and print the **top 3** elements using the head function and **last 4** elements using the tail function.
5. Create two series S1 having values [2,3,4,5] , index [a,b,c,d] and S2 values [6,7,8,9],index [a,x,c,z] respectively. Perform mathematical operations using operators [S1+S2 , S2-S1 , S1*S2 ,S2/S1] and methods [add(),sub(),mul(),div()].
6. To create a Data Frame from **List of Dictionaries** having at least 6 rows and 4 columns. [Take your six friend's marks in four subjects(column), friend name row index]
7. To create a Data Frame **df** from **Dictionary of Series** having at least 6 rows (six cities' name) and 4 columns (temperature on Mon, Tue, Wed, Thu days of first week of June.[following is a dummy sample dataframe you can take cities name according to your choice and change temperature of city accordingly])

	Mon	Tue	Wed	Thu
Haldwani	40	42	42	42
Bareilly	41	40	40	40
Delhi	42	43	43	43
Mumbai	43	43	43	43
Pune	44	42	42	42
Lucknow	42	40	40	40

8. To add a **new Column** 'Sun' with proper data to Data Frame df.
9. Display the total temperature of all cities as column name 'T_temp' by adding temperature of all five days.
10. To add a **new Row** having 'Dehradun' index with data to Data Frame df.
11. To delete a range of rows **2 to 4** from Data Frame df.
12. To delete a range of **columns 1 to 3** from Data Frame df.
13. To delete **any 2 random** Rows (i.e. not continuous) from a Data Frame df.
14. To delete **any 2 random** Columns (i.e. not continuous) from a Data Frame df.
15. To rename the **top two** Row Labels as 'City-1','City-2'and **third and fourth** Column Labels as 'Day-3','Day-4' of Data Frame df.
16. Use and display (*in interactive mode*) the working of **all** attributes of **Data Frames** on the pandas objects that you have created in **question-6**.

Importing/Exporting Data between CSV files and Data Frames

**Note: The code, CSV/TXT file, and the program output should be clearly displayed.*

[1] Write a program to read data from a CSV file (empl.csv or empl.txt) and create a DataFrame from it. The DataFrame should not use the file's column headers; instead, it should assign default column numbers as 0, 1, 2,

[2] Write a program to store the **df_12** DataFrame (from the previous question) into a file named **emp.csv**, using the pipe character (|) as the separator.

Data Visualization (Matplotlib Programs):

[1] Plot following data on line chart:

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Income	510	350	475	580	600

Apply following customization to the line chart:

1. Write a title for the chart “The Weekly Income Report”.
2. Write the appropriate titles of both the axes.
3. Write code to Display legends.
4. Display red color for the line.
5. Use the line style – dashed
6. Display diamond style markers on data points

[2] A Himalayan restaurant has recorded the following data into their register for their income by Drinks and Food. Plot them on the line chart.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Drinks	450	560	400	605	580
Food	490	600	425	610	625

Apply following customization to the line chart:

1. Write a title for the chart “The Weekly Restaurant Orders”.
2. Write the appropriate titles of both the axes.
3. Write code to Display legends.
4. Display your choice of colors for both the lines drinks and food.
5. Use the line style – dotted for drinks and dashdot for food.
6. Display plus markers on drinks and x markers of food.

[3] A survey gathers height and weight of 100 participants and recorded the participants' ages as:

ages= [1, 1,2,3,5, 7,8,9, 10, 10,11,13,13, 15, 16,17,18, 19,20, 21, 21,23, 24, 24, 24, 25,25, 25, 25,26, 26, 26, 27, 27, 27,27, 27, 29, 30, 30, 30,30, 31,33, 34, 34, 34, 35, 36, 36, 37, 37, 37, 38, 38, 39, 40,40, 41, 41,42, 43,45,45, 46,46, 46, 47,48, 48, 49, 50, 51, 51, 52, 52, 53, 54, 55, 56,57,58, 60, 61, 63,65, 66, 68, 70, 72, 74, 75,77,81, 83, 84, 87, 89, 90, 91]

Write a program to plot a histogram from above data with 20 bins.

Write a title for the chart “*Participants' Ages Histogram*”.

[4] Write a Python program to show strength of different sections in a class using BAR CHART.

Sample data:

Group: A, B, C, D, E and

Strength: 50, 48, 46, 51, 55

Apply following customization to the chart:

1. Use different colors for each bar.
2. Title for **x** axis should be ‘**Sections**’ and title for **y** axis should be ‘**Strength**’.
3. Ensure the title of chart is ‘**Section wise Strength**’ and grid line must be shown.

Note: An index page listing the aforementioned programs should be appropriately positioned immediately following the front page within the file.

English (Project Work)

Name of the Project: Write a biographical note on any author/poet (preferably from your syllabus)

Procedure:

Pg 1: Name of the project, Submitted to, Submitted by etc.

Pg 2: Index

Pg 3: Acknowledgement

Pg 4: Certificate

Pg 5 onwards: Early life, Education, Contribution in literary field, Achievements, Any other relevant matter

(Paste pictures wherever required)

Last pg: Bibliography

(To be handwritten and submitted in a file)

AI (843)

Create a practical record file: Programs should be printed on white A4-sized sheets with appropriate topic headings (questions) and well-commented code (wherever necessary), followed by the program output using suitable inputs.

(format of the printed output is given below).

The entire file must be submitted in printed form. You may use either black-and-white or color printing, whichever is more feasible for you. The prints should be clear, and the font size must be easily readable.

Submit the work by July 4, 2025, without fail.

:- Question – 1 :-

Write a program to create a Series object using a dictionary that stores the number of students in each section of class 12 in your class.

Code: -

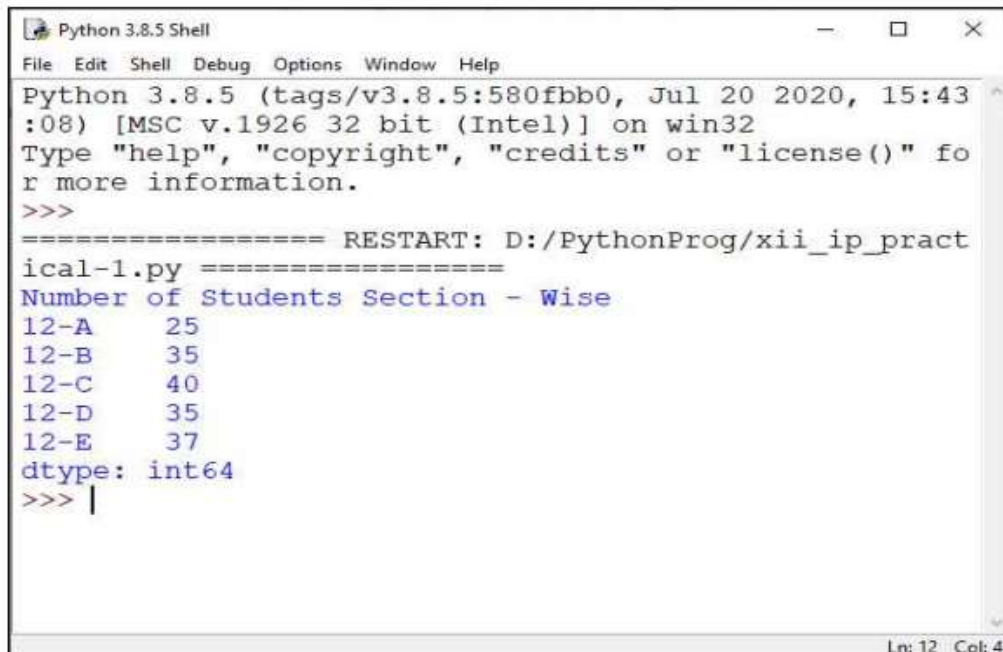
```
import pandas as pd
import numpy as np

classDict = {'12-A':25, '12-B':35 , '12-C':40, '12-D':35, '12-E':37}

serSection = pd.Series(classDict)

print("Number of Students Section - Wise")
print(serSection)
```

Output: -



```
Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/PythonProg/xii_ip_practical-1.py =====
Number of Students Section - Wise
12-A      25
12-B      35
12-C      40
12-D      35
12-E      37
dtype: int64
>>> |
```

Ln: 12 Col: 4

Note: The following are to be included in the practical file:

I. Python

1. Write Python code to create a Pandas DataFrame using any sequence data type.
 - a) Display the DataFrame.
 - b) Display first 5 records.
 - c) Display last 10 records.
 - d) Display the number of missing values in the dataset.
2. Download dataset in the form of CSV from any public open-source website.
 - a) Read CSV File and convert it into Pandas DataFrame.
 - b) Perform statistical functions on the dataset to check the data, checking missing values, filling missing data etc.
3. Python Code to Evaluate a Model.

Mass Media Project Work

Objective: To explore different forms of advertising and collect various kinds of print advertisements. (To be pasted in a scrap book/ file papers)

Procedure:

- (i) Collect two samples of the following:
 - (a) A handbill
 - (b) A poster
 - (c) A leaflet
 - (d) An ad. from a newspaper
 - (e) An ad. from a magazine
- (ii) Paste them neatly in a scrap book or file.
- (iii) Label them according to the category of advertising you have learnt.
- (iv) Record your observation as follows:

S. NO	Sample	Description	What has been advertised	Category of advertisement
Example	Handbill	A yellow 6x4 inch thin sheet of paper, with words written leaning centre	A coaching centre	Service

Conclusion:

Answer the following questions based on your observations from the table.

1. What are the most common products advertised? Give example.
2. How is a handbill different from a magazine ad? Give example.
3. What are the most common services advertised? Give example

Class XII Accountancy

Prepare company project for Board Examination.

Here are some ideas and guidelines:

Project Ideas

1. ***Financial Statement Analysis***: Analyze the financial statements of a company (e.g., balance sheet, income statement, cash flow statement).
2. ***Ratio Analysis***: Calculate and interpret various accounting ratios (e.g., liquidity, profitability, efficiency).
3. ***Cash Flow Statement***: Prepare a cash flow statement for a company and analyze its cash management.
4. ***Comparative Analysis***: Compare the financial performance of two companies in the same industry.
5. ***Accounting for a Business***: Prepare financial statements for a hypothetical business or a small enterprise.

Project Requirements

When working on an accountancy project, consider the following:

1. ***Clear objectives***: Define the project's objectives and scope.
2. ***Data collection***: Gather relevant data from financial statements, reports, or other sources.
3. ***Analysis and interpretation***: Analyze the data using various accounting tools and techniques.
4. ***Conclusion and recommendations***: Draw conclusions and provide recommendations based on the analysis.
5. ***Presentation***: Present the project's findings and conclusions in a clear and concise manner.

Format

Typically, an accountancy project should include:

1. ***Introduction***: Introduce the project topic and objectives.
2. ***Literature Review***: Review relevant accounting concepts and theories.
3. ***Methodology***: Describe the research methodology and data collection process.
4. ***Analysis and Findings***: Present the analysis and findings.
5. ***Conclusion and Recommendations***: Draw conclusions and provide recommendations.
6. ***Bibliography***: List sources used in the project.

Tips

1. *Follow CBSE guidelines*: Adhere to the CBSE project guidelines and format.
2. *Use real-world examples*: Use real-world examples or case studies to make the project more engaging.
3. *Show calculations*: Show calculations and workings for financial statements and ratios.
4. *Use charts and graphs*: Use charts and graphs to present data and findings.
5. *Proofread*: Proofread the project for errors and inconsistencies.

If you have specific questions or need help with your accountancy project, feel free to ask!

Holiday Homework for Physical Education-

* Physical Fitness Test:- SAI Khelo India Test, Brockport Physical Fitness Test (BPFT).

* Proficiency in Games and Sports mentioned in physical education book. (Skills of any one IOA recognised sports/game of choice)

* Yoga practice - write any three asanas of standing, sitting and lying. Write their procedure, Benefits and contraindications.

(NOTE - ALL OF THESE HAVE TO BE WRITTEN IN PHYSICAL LAB MANUAL)

Psychology

1. Complete the Psychological Test File with practicals for SCAT and SCQ.
2. Prepare a case profile on a psychological disorder.
3. Complete questions and answers of Chapter 2 in your notebook.

Yoga

Holiday homework - Make practical file with 20 Asana (write about each asana precautions and benefits, asana should be draw)

MATHS

Holiday Homework for Summer break (Maths Class XII)

Chapter - Relation and Function, Inverse Trigonometry Function, Matrices and Determinant.

- 1) 10 MCQ's Question from each Chapter as mentioned above.
- 2) 2 Case Based Study from each Chapter as mentioned above.
- 3) Practice 10 Previous year Board Question from each Chapter as mentioned above.

ECONOMICS & BUSINESS STUDIES

Solving of holiday homework worksheet given in class.

Inspiration Public School
Summer Holiday Homework
Session- (2025-26)
Class- XII E

Subject: History

Project Work – Choose One Topic

1. The Indus Valley Civilization – Archaeological Excavations and New Perspectives
2. The History and Legacy of the Mauryan Empire
3. “Mahabharat” – The Great Epic of India
4. The History and Culture of the Vedic Period
5. Buddha Charita
6. A Comprehensive History of Jainism

• **Guidelines:**

- Handwritten project.
- Use authentic sources.
- Include illustrations, maps, and charts.
- Sections: Introduction, Body, Analysis, Conclusion, Bibliography.

Subject: Sociology

Project Work – Choose One Topic

1. Impact of Social Media on Human Interaction
2. Gender Roles and Stereotypes
3. Social Inequality and Class Stratification
4. Crime and Deviance
5. Family Dynamics and Structures
6. Urbanization and Community Life
7. Education and Society
8. Race and Ethnicity
9. Work and Occupations
10. Religion and Society

• **Guidelines:**

- Use authentic sources and citations.
- Include visuals/interviews.
- Deadline: 10/07/25
- Project Weightage: 20 Marks

Subject: Political Science

Project Work – Choose One Topic

1. India's Nuclear Policy
2. United Nations – India & Security Council
3. UN Agencies – UNICEF, UNESCO, WHO
4. Covid-19 Pandemic – Global Impact and Cooperation
5. Partition of India – Theory and Legacy
6. NITI Aayog vs Planning Commission
7. Elections 2019 – BJP Rise & Congress Decline
8. Imposition of Emergency in India
9. NDA III and IV – Welfare Programmes
10. Emergency: Blot on Indian Democracy

English (Project Work)

Name of the Project: Write a biographical note on any author/poet (preferably from your syllabus)

- Procedure:
 - Pg 1: Name of the project, submitted to, Submitted by etc.
 - Pg 2: Index
 - Pg 3: Acknowledgement
 - Pg 4: Certificate
 - Pg 5 onwards: Early life, Education, Contribution in literary field, Achievements, Any other relevant matter
 - (Paste pictures wherever required)
 - Last pg: Bibliography
 - (To be handwritten and submitted in a file)

12 AI (843) Practical File Assignment

Practical Record File

Create a practical record file: Programs should be printed on white A4-sized sheets with appropriate topic headings (questions) and well-commented code (wherever necessary), followed by the program output using suitable inputs.

(Solution of first question is given as an sample).

The entire file must be submitted in printed form. You may use either black-and-white or color printing, whichever is more feasible for you. The prints should be clear, and the font size must be easily readable.

Submit the work by July 4, 2025, without fail.

Ques:1

Write Python code to create a Pandas DataFrame using any sequence data type.

Code:

```
#Creation of a DataFrame from dictionary of array/lists:

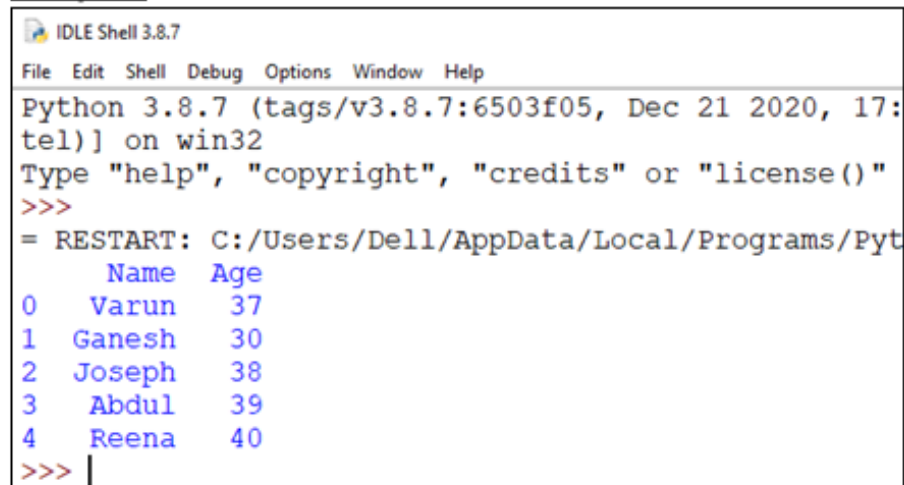
import pandas as pd

# initialise data of lists.
data = {'Name':['Varun', 'Ganesh', 'Joseph', 'Abdul', 'Reena'],
        'Age':[37,30,38, 39,40]}

# Create DataFrame
df = pd.DataFrame(data)

# Print the output.
print(df)
```

Output:



```
IDLE Shell 3.8.7
File Edit Shell Debug Options Window Help
Python 3.8.7 (tags/v3.8.7:6503f05, Dec 21 2020, 17:
tel)] on win32
Type "help", "copyright", "credits" or "license()"
>>>
= RESTART: C:/Users/Dell/AppData/Local/Programs/Pyt
   Name  Age
0  Varun   37
1  Ganesh  30
2  Joseph  38
3  Abdul   39
4  Reena   40
>>>
```

Note: The following are to be included in the practical file:

I. Python

1. Write Python code to create a Pandas DataFrame using any sequence data type.
 - a) Display the DataFrame.
 - b) Display first 5 records.
 - c) Display last 10 records.
 - d) Display the number of missing values in the dataset.
 2. Download dataset in the form of CSV from any public open-source website.
 - a) Read CSV File and convert it into Pandas DataFrame.
 - b) Perform statistical functions on the dataset to check the data, checking missing values, filling missing data etc.
 3. Python Code to Evaluate a Model.
-

Do the following activity/Programs in a A4 plain sheet or ruled file paper neatly and clearly.

Note: The following are to be included in the practical file:

I. Python

1. Write Python code to create a Pandas DataFrame using any sequence data type.
 - a) Display the DataFrame.
 - b) Display first 5 records.
 - c) Display last 10 records.
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 - a) Read CSV File and convert it into Pandas DataFrame.
 - b) Perform statistical functions on the dataset to check the data, checking missing values, filling missing data etc.
3. Python Code to Evaluate a Model.

Write in Physical Lab Manual

- Subject: Mass Media**

Procedure:

- | S. NO | Sample | Description | What has been advertised | Category of advertisement |
|---------|----------|--|--------------------------|---------------------------|
| Example | Handbill | A yellow 6x4 inch thin sheet of paper, with words written leaning centre | A coaching centre | Service |

Conclusion:

Answer the following questions based on your observations from the table.

1. What are the most common products advertised? Give example.
2. How is a handbill different from a magazine ad? Give example.
3. What are the most common services advertised? Give example.

Subject: Psychology

1. Complete SCAT and SCQ Psychological Test File.
2. Prepare a case profile on any psychological disorder.
3. Complete Chapter 2 Q&A in your notebook.

Subject: Yoga

Practical File on 20 Asanas

- For each Asana:
 - Draw posture
 - Write name, precautions, benefits