



St. Mary's Convent Inter College

32, Thornhill Road, Prayagraj, UP - 211002

HOLIDAY HOMEWORK - 2026 Class – 8

Subject	Holiday Homework
English Language	<p>Q.1. Write an essay on - a) An Unexpected Journey Or b) If I Could Travel Back in Time</p> <p>Q2. Write a letter to your cousin congratulating her on her success in Board Exams. Q.3. Page no 198 Comprehension passage: 8 from the book The Maturing Seed Write all the questions and answers in your language class work notebook.</p>
English Literature	<p>1. Word Meanings: Write the meanings of words from the chapters included in the first-term syllabus to ensure a better understanding of their usage. 2. Reading and Creativity Task: a) Read the play Much Ado About Nothing by William Shakespeare. After reading, create a storyboard on an A4 sheet showing the main events and characters of the play. Use your imagination and creativity- illustrations, symbols, or short captions. b) Read a book of your choice and write a review of it.</p>
Hindi	<p>छात्रों के लिए सामान्य निर्देश (General Instructions)</p> <ul style="list-style-type: none">• मौलिकता: गृहकार्य अपनी भाषा और मौलिक विचारों में लिखें। इंटरनेट या गाइड की मदद लेने के बजाय अपनी कल्पना का प्रयोग करें।• प्रस्तुतीकरण: कार्य साफ़-सुथरा हो। जहाँ आवश्यक हो, चित्रों या रंगों का प्रयोग करें ताकि वह आकर्षक लगे। सभी कार्य अपनी व्याकरण उत्तर पुस्तिका में करें। <p>1. चित्र वर्णन (Picture Description): पुराने अखबार या पत्रिका से कोई भी एक प्रभावशाली चित्र काटें, उसे कॉपी में चिपकाएँ और उस चित्र को देखकर मन में आने वाले विचारों को 100 शब्दों में लिखें।</p> <p>2. कहानी का नया अंत (Alternate Ending): अपनी पाठ्यपुस्तक की किसी भी पसंदीदा कहानी को चुनें और उसका अंत अपनी कल्पना से बदल दें। यदि नायक/नायिका कुछ अलग कदम उठाते, तो परिणाम क्या होता?</p>



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	<p>3. शब्दावली अंताक्षरी: हिंदी के कठिन शब्दों की एक अंताक्षरी खेलें (अकेले या भाई-बहन के साथ)। जिस अक्षर पर शब्द खत्म हो, उससे नया शब्द लिखकर उसका अर्थ शब्दकोश (Dictionary) से ढूँढकर लिखें।</p> <p>सुझाई गई पुस्तक:</p> <p>4. 'किशन कन्हाई' (लेखक: मन्नु भंडारी) या 'पंचतंत्र की कहानियाँ'। ये पुस्तकें सरल भाषा में जीवन की बड़ी सीख और मनोरंजन प्रदान करती हैं। कहानी में से अपने पसंदीदा पात्र के विषय में लिखें।</p>
Sanskrit	<p>1. शब्द रूप -मति (इकारान्त स्त्रीलिंग) पृष्ठ संख्या - 107</p> <p>2. धातु रूप - नृत् (नृत्य करना) पांचो लकार पृष्ठ संख्या 114-115 को संस्कृत की अभ्यास पुस्तिका में लिखें।</p> <p>3. पर्यायवाची शब्द पृष्ठ संख्या 106 से 1-15 तक लिखें।</p> <p>4. बक: कर्कट: कथा पाठ की सूक्ति लिखे।</p> <p>नोट- सभी कार्य संस्कृत की अभ्यास पुस्तिका में लिखिए।</p> <p>Note – Prepare all the topics from the syllabus for the Unit Assessment exam properly.</p>
Mathematics	<p>1. Write and learn squares of numbers from 1 to 20.</p> <p>2. Practice the following questions given in the book:</p> <p>a. Question 3, 5 and 13 (Check your progress) from chapter Rational numbers given on page number 33.</p> <p>b. Question 5, 6 and 8 (Check your progress) from the chapter Exponents given on page number 43.</p> <p>3. Solve the given problem:</p> <p>The "Folding" Discovery</p> <p>Objective: To find the center, radius, and diameter of a circle using only a piece of paper and a pair of scissors.</p> <p>Materials:</p> <ul style="list-style-type: none">• A piece of paper (any color)• A circular object to trace (like a cup or a small bowl)• Scissors <p>The Steps:</p> <p>1. Trace and Cut: Trace the circular object onto your paper and cut it out. You now have a perfect paper circle.</p> <p>2. The First Fold: Fold the circle exactly in half so the edges meet perfectly. Crease it well and open it up.</p> <p>3. The Second Fold: Fold the circle in half again, but this time in a different direction</p>



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	<p>(the two-fold lines should cross each other). Crease and open. Answer the following based on the problem given above:</p> <p>A) What is the mathematical name for the point where the two crease lines intersect?</p> <p>B) The crease lines run from one edge of the circle to the other, passing through the center. What is the mathematical name for these lines?</p> <p>Use a ruler to measure one crease line. Now, measure the distance from the edge to the center point. What is the relationship between these two measurements?</p>
History/Civics	<p>Subject : History/Civics Book : The Trail</p> <p>History: The Industrial Revolution and the Rise of Imperialism 1. Draw the timeline and the mind map of The Industrial Revolution and the Rise of Imperialism given on page number 27(in an interleaf sheet). Learn the facts. 2. Learn important words given on page number 27.</p> <p>Civics: The Union Executive 1. Draw the structure of the Union Executive given on pg no. 175.(in an interleaf sheet) 2. Write and learn the basic qualifications for a candidate to be the President, Vice-President given on page number 175, 177.(in an interleaf sheet) 3. Draw and learn the hierarchy diagram of the Union Executive given on page number 180.(in an interleaf sheet) 4. Learn the important words given on page number 180.</p>
Geography	<p>Note: Complete all the work on A4 coloured sheets. You can use pictures And printouts related to the assignment.</p> <p>Short Answer Worksheet (For Notebook)</p> <ol style="list-style-type: none">1. State the latitudinal and longitudinal extent of Asia.2. List the five main physical divisions of Asia.3. Name the three important latitudes passing through Asia.4. Explain why some areas of Asia are densely populated while others are sparsely populated. <p>Mapping Activity: On an outline map of Asia, mark the following:</p> <ol style="list-style-type: none">1. Mountains: Himalayas, Karakoram, Tian Shan, Zagros, Ural.2. Rivers: Yangtze, Mekong, Ganges, Brahmaputra, Indus, Tigris, Euphrates.3. Deserts: Gobi, Arabian, Thar.4. Siberian Plain, Tibetan Plateau, Deccan Plateau, Sea of Japan. <p>Travel Brochure: Create a travel brochure for one Asian country (e.g., Japan,</p>



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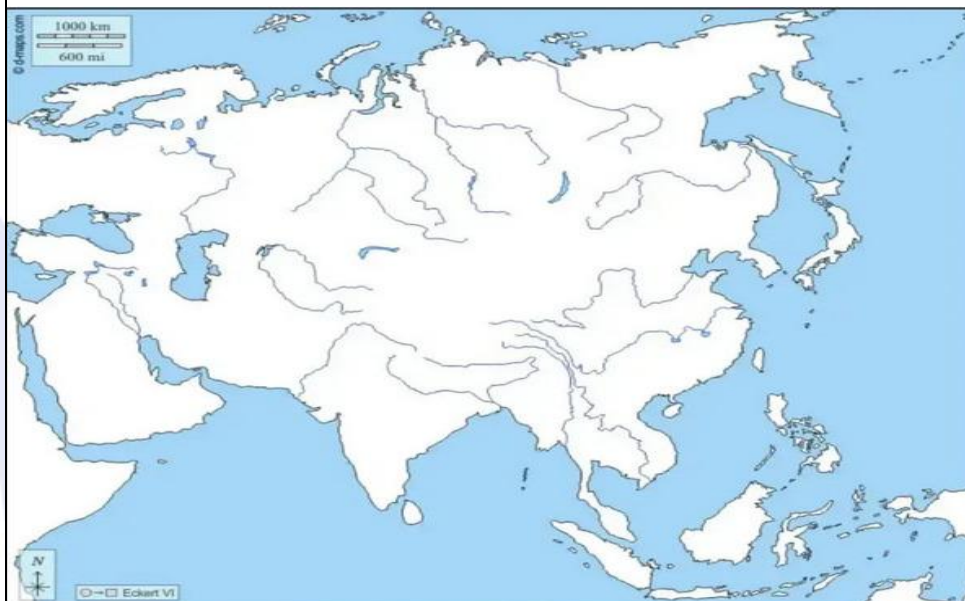
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Thailand, or Nepal), focusing on its physical features, weather, and landmarks.



Think and answer the following questions:

1. Water in a dish evaporates faster than in a bottle. Give reason.
2. A patient suffering from high fever is advised to put wet cloth strips on his forehead. Why?
3. When we put some acetone or petrol on our palm, it feels cold. Give reason.
4. In an activity when the temperature of the wax reached 70°C , burner was removed. The beaker was allowed to cool and temperature of wax was recorded every minute.

Physics

Time (in minutes)	Temperature of the wax (in $^{\circ}\text{C}$)
0	70
1	65
2	60
3	55
4	55
5	55
6	50
7	45
8	40
9	35
10	30



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11	25
12	20

From the above observation what conclusion do you draw about the wax.

5. Case study based question:

A group of students went out on a scout camp in a hilly area. The nights were extremely cold. During camp, Adit noticed several things:

I. During dinner, steam rising from the hot soup quickly turned into tiny droplets in the cold air.

II. A tiny layer of frost formed on their tents every night even though there were no dew

III. The wet towel Adit left outside becomes stiff and frozen by early morning.

IV. When they exhaled warm breath into the cold air a white cloud formed and instantly disappeared just as quickly.

V. Metal chairs kept outside the tents appeared wet early in the mornings.

Answer the following:

- Identify the process responsible for steam turning into droplets.
- What change of state leads to frost formation? Explain briefly.
- Using kinetic theory, explain why Adit's wet towel become stiff and frozen.
- Why did a white cloud appear when they exhale?
- Why did the metal chairs appear wet in the morning?

Instructions:

Questions should be done in the Chemistry notebook.

Activity should be done on a separate A4 size sheet paper.

Theme 3: Elements, Compounds and Mixtures

Read the chapter "Elements, Compounds and Mixtures" carefully and answer the following questions:

Q1.

- Define a pure substance.
- State the characteristics of a pure substance.

Q2.

- Define an element.
- State the main characteristics of an element.

Q3.

- Define a compound.
- State the main characteristics of a compound.

Q4.

- Define a mixture.
- State the main characteristics of a mixture.

Q5. Draw neat and well-labelled diagrams of the following:

- Separation of constituents of a mixture by sublimation
- Separation by sedimentation
- Separation by decantation
- Making a filter paper cone
- Method of filtration

Chemistry



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	<p>f) Separation of a non-volatile solid by evaporation g) Separating funnel Theme 4: Atomic Structure Q1. Draw the geometrical representation of all elements from Hydrogen (H) to Calcium (Ca). Activity Comic Conversation Activity Make a comic conversation between an element, a compound, and a mixture explaining their differences.</p>
Biology	<p>SOLVE AND LEARN THE QUESTIONS IN BIOLOGY CLASSWORK NOTEBOOK THEME 2 : REPRODUCTION IN PLANTS “Explore Nature Through Flowers” This summer, become a young botanist and explore the fascinating world of flowers around you. Complete the following activities neatly and creatively in a scrapbook/project file.</p> <p>ACTIVITY 1: My Flower Diary</p> <ul style="list-style-type: none">• Choose any one flowering plant near your home.• Observe it for at least 7 days and write:• Name of the plant• Colour of flower• Size and smell• Number of petals• Insects/butterflies visiting it• Changes observed in flower• Draw or paste pictures of the flower.• Creative Corner:• Write 5–6 lines on If I were a flower <p>ACTIVITY 2: Flower Dissection</p> <ul style="list-style-type: none">• Take one flower such as hibiscus, mustard, lily, or rose.• Carefully separate and paste: a) Sepals b) Petals c) Stamens d) Pistil• Label all parts neatly and write one function of each part. <p>ACTIVITY 3: Pollination Detective Observe any flower for 10–15 minutes.</p> <ul style="list-style-type: none">• Write: Which insect visited?• What colour flower attracted insects more?• Why do insects visit flowers?• Make a small comic strip: Journey of a Pollen Grain



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	<p>“Nature is the best laboratory. Observe carefully, think creatively, and enjoy learning Biology around you!”</p>
Computer Studies	<p>SOLVE THE QUESTIONS IN AI NOTEBOOK SECTION A: MULTIPLE CHOICE QUESTIONS:</p> <p>Q.1.The brain of Arduino Uno is: a) Resistor b) Capacitor c) ATmega328P d) Digital pin</p> <p>Q.2. How many digital pins are there? a) 6 b) 14 c) 8 d) 10</p> <p>Q.3.PWM pins are used for: a) Digital input only b) Analog-like output c) Power supply d) Reset</p> <p>Q.4. Analog pins are labelled as: a) D0–D13 b) A0–A5 c) P1–P6 d) X1–X6</p> <p>Q.5. AI stands for: a) Automated Intelligence b) Artificial Intelligence c) Advanced Input d) Algorithmic Interface</p> <p>Q.6. A robot is: a) A human b) A machine that performs tasks automatically c) A software only d) A sensor</p>



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Q.7. Which is an example of AI?

- a) Calculator
- b) Voice assistant
- c) Bulb
- d) Battery

Q.8. Robotics involves:

- a) Only programming
- b) Only hardware
- c) Both hardware and software
- d) None

Q.9. Machine learning is a part of:

- a) Robotics
- b) AI
- c) Electronics
- d) Mechanics

Q.10. AI stands for:

- a) Automated Intelligence
- b) Artificial Intelligence
- c) Advanced Input
- d) Algorithmic Interface

Q.11. A robot is:

- a) A human
- b) A machine that performs tasks automatically
- c) A software only
- d) A sensor

Q.12. Which is an example of AI?

- a) Calculator
- b) Voice assistant
- c) Bulb
- d) Battery

Q.13. Robotics involves:

- a) Only programming
- b) Only hardware
- c) Both hardware and software
- d) None

Q.14. Machine learning is a part of:

- a) Robotics



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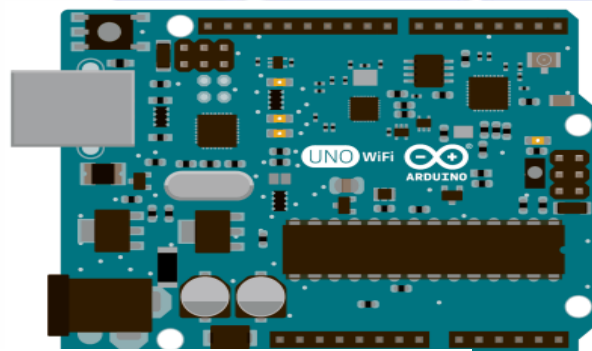
- b) AI
- c) Electronics
- d) Mechanics

SECTION B: FILL IN BLANKS:

1. The science and engineering of making intelligent machines given by
2. The name of first chatbot created by Joseph Weizenbaum was
3. The first intelligent humanoid robot built in Japan was.....
4. The name of weak AI is.....and Strong AI is
5. Total number of digital pins are.....
6. The function of Tx pin isand Rx pins is.....
7. Pin which have embedded led in the Arduino uno board is.....
8. The port which is used to execute the data from the computer is.....

SECTION C: DIAGRAM-BASED QUESTIONS

1. Identify the PWM pins in the given Arduino diagram.
2. Which pins are used for serial communication/for transmitting and receiving data?
3. Mark the Analog input pins.
4. Locate the power supply pins (5V and GND).
5. Which pin is connected to the onboard LED(Digital pin)?
6. Label the microcontroller.



SUBJECT: COMPUTER STUDIES

SOLVE THE QUESTIONS IN COMPUTER STUDIES NOTEBOOK



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	<p>Q1. Write an algorithm to calculate Simple Interest. Formula: $SI = (P \times R \times T) / 100$</p> <p>Q2. Write an algorithm to find the area of a rectangle. Formula: $Area = Length \times Breadth$</p> <p>Q3. Write an algorithm to calculate the average of three numbers.</p> <p>Q4. Write an algorithm to find the square and cube of a number.</p> <p>Q5. Write an algorithm to find the area of the square. Formula= side * side</p>
Art	TOPIC: - Make 2 big colourful paper flowers.
Library	<p>INSTRUCTION</p> <ol style="list-style-type: none">1. Write neatly and clearly.2. Add pictures or drawings if possible.3. Use heading and proper formatting.4. Submit your work on an A4 size sheet paper. <p>Read a biography/autobiography of a few famous personalities who have created history by their work. After reading write a short description/review of the person/book.</p> <p>Including the following points in your writing-</p> <ol style="list-style-type: none">1. Early life.2. Education.3. Achievements4. Awards And Honors.5. What you learned from this person.



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