

# Class 7

## Holiday Homework

### Session 2026-27

**Theme:**



### Guidelines for Homework:

- ❖ All projects must be handwritten.
- ❖ Subject-wise homework should be prepared separately.
- ❖ Do the homework on file pages.
- ❖ The cover page should show the school's name, Logo, Student's name, Class, Section and Subject.
- ❖ The second page should be about acknowledgement.
- ❖ Each topic should be written on a new page.
- ❖ Marks will be deducted for spelling and grammatical errors.
- ❖ Submit the homework in a handmade file cover.

# ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher (-----Name of the teacher-----) who gave me the opportunity to do this wonderful project on the topic (Write the topic name). I offer my sincere appreciation for the learning opportunities provided by my Principal (Name of the Principal) which also helped me in doing a lot of research and I came to know about so many new things. I am really thankful to them. I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.



## **Question 1. Equality Check**

Survey five women (3 professionals / 2 homemakers)

Records to be maintained:

1. Name \_\_ Profession \_\_
2. When you were in class 7, what did you dream of becoming?
3. Did anyone ever say 'girls cannot do this job? How did you feel?
4. What is one advantage of being a woman?
5. If you had a magic wand, what one rule would you change for girls?

**Question 2.** How has feminism in India changed from the past to now? Write about the problems women faced then and the rights they have today. Word Limit: 200 Words)

**Question 3.** Our constitution strongly supports gender equality. Mention the steps taken by the Indian government to support SDG-5.

## **Question 4: Worksheet:**

**Choose the correct options.**

1. I am tired \_ waiting.  
A) from      B) of      C) at              D) with
2. The cat jumped \_ the wall.  
A) on      B) over              C) at              D) in
3. We arrived \_ the airport early.  
A) at              B) in              C) on      D) to
4. He apologized \_ being late.  
A) for      B) at              C) on      D) with
5. I have lived here \_ 10 years.  
A) since              B) for      C) at              D) on
6. Neither of the boys has submitted \_ assignment yet.  
A) their              B) his      C) them              D) they
7. It was \_ who called you last night.  
A) I              B) me      C) myself              D) mine
8. The committee made \_ decision after hours of debate.  
A) its      B) their              C) it's      D) themselves
9. She is taller than \_.  
A) I              B) me      C) myself              D) mine
10. The book cover, \_ is torn, belongs to Ali.  
A) which              B) who              C) whose              D) whom

## ENGLISH LITERATURE

1. 'William Shakespeare often portrayed men and women according to the social norms of his time'.
  - i) How did Shakespeare portray the roles of men and women in his plays? Discuss the hierarchy of power between them.
  - ii) Explain how these roles are different from those in the modern world. Support your answer with examples from any Shakespearean character or play you have read.  
(Word Limit: 150–200 words)
2. In today's world, mental health challenges are becoming increasingly common among young people and adults alike.

Do you think the poem "Hope" still remains relevant in modern times? Explain how the central idea of hope can help people overcome difficulties, fear, and emotional struggles in life. Relate your answer to present-day situations. (Word Limit: 150 -200 words)



## हिंदी भाषा



1. 'महिला सशक्तिकरण' विषय पर निबंध लिखिए । (शब्द-सीमा 300-400)
2. 'बेटा-बेटी एक समान' - विषय पर 3 से 4 मित्रों के बीच हुई बातचीत को संवाद के रूप में लिखिए । (शब्द-सीमा 200-300)
3. निम्नलिखित प्रश्नों के उत्तर संक्षेप में दीजिए -
  - क. राजभाषा और राष्ट्रभाषा में अंतर स्पष्ट कीजिए ।
  - ख. व्याकरण का क्या महत्व है ? स्पष्ट कीजिए ।
  - ग. 'दो सौ रुपये' के नोट पर कुल कितनी और कौन-कौन-सी भाषाएँ लिखी होती हैं?
  - घ. दो-दो पर्यायवाची लिखिए - अग्नि, उन्नति, आम, अहंकार, उद्यान ।



## हिंदी साहित्य



1. 'अपने दादा - दादी से एक लोक कथा को सुनकर अपने शब्दों में एक कहानी लिखिए ।  
( शब्द-सीमा लगभग 300 - 350 )
2. 'बेटी बचाओ ,बेटी पढ़ाओ" पर एक कविता लिखिए । (लगभग बीस पंक्तियाँ)
3. बिस्मिल्लाह खाँ ,रवि शंकर, हरिप्रसाद चौरसिया , अमज़द अली ख़ान ,जाकिर हुसैन ,ए .आर .रहमान संगीत की किस विधा से संबंधित है ? सचित्र संक्षिप्त जीवन परिचय का उल्लेख कीजिए।



## Mathematics



1. Research the literacy growth data of boys and girls from Uttar Pradesh and Kerala over different years.
  - a) Represent increase in literacy rates using positive integers.
  - b) Represent decrease in literacy rates using negative integers.
  - c) Compare the literacy growth of boys and girls.
  - d) Find the difference between the literacy rates using integer operations.
  - e) Write 2–3 observations based on your comparison.
2. Create a colourful "Equality Symbol Design" using mathematical symbols and algebraic expressions.
  - a) Use the equality symbol (=) creatively in your design.
  - b) Include at least 3 algebraic expressions.

- c) Show examples of balanced expressions.
- d) Use geometrical patterns, shapes, and colours.
- e) Write your views on Gender Equality.

### 3. Application based questions

Q.1 A school canteen sold:

- 3.5 litres of juice on Monday
  - 2.75 litres of juice on Tuesday
- a) Which day had more juice sales?
  - b). Find the total juice sold on both days.
  - c). Convert 2.75 into a fraction.
  - d) Write 3.5 in fractional form.
  - e) Find the difference between the two quantities.

Q.2. A shopkeeper packs pencils in boxes. Each box contains  $x$  pencils.

- a) Write the expression for pencils in 8 boxes.
- b) If each pencil costs ₹5, write the total cost expression.
- c) Find the number of pencils when  $x = 6$ .
- d) Find the total cost when  $x = 6$ .
- e) Identify the variable in the expression.

Q.3. A road crossing has two intersecting roads forming different angles.

- a) Name the angles formed opposite to each other.
- b) What type of angle is formed if the measure is  $90^\circ$ ?
- c) Draw two intersecting lines and mark one pair of vertically opposite angles.
- d) If one angle is  $60^\circ$ . Find its supplementary angle.
- e) Name the pair of angles whose sum is  $180^\circ$ .



Instructions for Students:

Make the project on an A4 sheet or chart paper.

Add drawings/pictures wherever possible.

Use headings and colourful presentation.

Q1. Create a Social Media Campaign

If social media existed during the spread of Christianity and Islam, people could spread awareness about equality.

Create:

- 3 hashtags
- 2 short social media posts
- 1 awareness slogan

Topic:

“Girls and Boys Deserve Equal Education”

Connect your ideas with SDG 5: Gender Equality.

Q2. Comic Strip Activity

Draw a 4–6 box comic strip showing:

- A girl in ancient times wanting to study
- Challenges she faces
- Someone encouraging her

- Society changing positively
- Add dialogues and captions.

Q3. Imagine you are a traveller living during the time when Christianity was spreading across different regions. You visit a town where people from different cultures and languages are learning about the teachings of Jesus Christ.

How did the teachings and actions of early Christians help in the rise and spread of Christianity? Explain in minimum 5 points. Also mention how Christianity influenced people's daily lives and society.

- Write the answer in at least 5 points.
- Underline the keywords in each point.
- Use examples wherever possible.

## Geography

Instruction: Make the poster on an A4 sheet or Chart paper.

Q1. Prepare a map of India showing states with highest female literacy rates and write five observations.

Q2. If the scale of the toposheet is 1:50,000, calculate the actual ground distance in kilometers if the distance between two villages on the map is 10 cm. Define the Representative Fraction in your words.

Q3. Design a poster raising awareness about the importance of the ozone layer and the dangers of ozone-depleting substances.

## Biology

### **Instructions for Students:**

Complete all questions in a separate Biology notebook/file neatly and systematically.

Write all answers in neat handwriting using proper headings and subheadings.

Add drawings/pictures wherever possible.

Write answers in your own words. Do not copy directly from books and internet.

Submit the holiday homework on the first day after vacation.

Q.1. Plants and animals are made up of different types of tissues that perform specific functions such as growth, transport, protection, movement, and coordination.

a) Classify:

i. Plant tissues into meristematic tissues and permanent tissues with their types.

ii. Animal tissues and write one function of each type.

b) Differentiate between:

i. Xylem and Phloem on the basis of function.

ii. Muscular tissue and Nervous tissue on the basis of structure and function.

c) Explain how different tissues help plants and animals to survive and perform their life processes efficiently.

Q.2. Choose any one female scientist/biologist who contributed in the field of science and research. Her achievements show that women can contribute equally in scientific development when given equal opportunities.

a) Name the scientist/biologist chosen by you.

b) Mention her field of work.

c) Write one important contribution made by her.

d) How does equal education and opportunity help girls contribute to science and society?

### Q.3. SURVEY ACTIVITY

Instructions:

Conduct a survey on 5 people of different occupations such as teacher, doctor, shopkeeper, farmer, homemaker, student, engineer, etc.

Ask the following questions and record their responses by ticking the correct option and writing a short reason. Also, write a detailed observation about the findings from the survey responses of people with different occupations.

S.No.	SURVEY QUESTIONNAIRE	YES	NO	REASON
1.	Do boys and girls deserve equal education?			
2.	Should girls be allowed to choose their own careers?			
3.	Do boys and girls both need proper nutrition and healthcare?			
4.	Should household work be shared by all family members?			
5.	Can girls become scientists, doctors, or astronauts?			
6.	Should girls be encouraged to play sports?			
7.	Do you think boys and girls should get equal opportunities in school activities?			
8.	Should parents support higher education for girls?			
9.	Is gender discrimination harmful to society?			
10.	Can gender equality make society healthier and happier?			

Survey Details:

Name of the person	Occupation	Signature



#### Question 1:

In a school sports meet, both boys and girls are participating in a 200-meter bicycle sprint to promote equal opportunities in sports. A female student and a male student start at the same time and cross the finish line together.

- If both students took 40 seconds to complete the 200-meter race, calculate their average speed in m/s.
- If both students moved at a constant speed, draw a simple Distance-Time graph representing their motion on the same axes.
- How does providing equal access to sports equipment and training help achieve gender equality?

#### Question 2:

To promote the idea that household chores should be shared equally, a brother and sister are working together in the kitchen to prepare tea. The sister uses a copper-bottomed pan, while the brother ensures all the spoons, they use have plastic handles to prevent burns.

- Why is the bottom of the pan made of copper? Explain using the concept of Conduction.
- Why are the handles of the spoons made of plastic or wood? Classify these materials as Conductors or Insulators.
- If the initial temperature of the water was  $25^{\circ}\text{C}$  and they heated it until it reached  $95^{\circ}\text{C}$ , what is the total rise in temperature?

**Question 3:** A wooden block has a mass of 600 g and occupies a volume of  $1000\text{ cm}^3$ .

- Calculate the density of the wooden block. (Formula: Density = Mass / Volume)
- The density of water is 1 g/cm<sup>3</sup>. Will the wooden block sink or float? Give reason.
- If the same block is cut into two equal halves, what will be the density of each half? Explain why.
- Name one real-life application where the concept of density is used to separate materials.

## Chemistry

### Answer the following questions:

- A student mixes iron filings and sulphur powder and heats the mixture strongly.
  - Identify whether the change is physical or chemical.
  - Explain how the properties of the product differ from the original substances.
  - Suggest one method to prove that a new substance has been formed.
- During a science experiment, a teacher dissolves salt in water and then evaporates the solution.
  - What type of change is this?
  - Justify your answer by explaining whether the process is reversible or irreversible.
  - How does this experiment demonstrate the difference between a mixture and a compound?
- A steel bridge develops rust over time due to exposure to air and moisture.
  - Classify this change as physical or chemical.
  - Explain the role of oxygen and water in this process.
  - Suggest two practical methods to prevent or slow down this change, and justify why they work.

### Activity and Research based question:

Q. Activity: Take three samples — salt, sugar, and sand. Try dissolving each in water and observe carefully. Record which substances dissolve completely, partially, or not at all.

Research Extension: Based on your observations, classify each substance as an element, compound, or mixture. Then, research and explain why solubility differs among them, linking it to their particle arrangement and bonding.

## Computer Science

**Make the project on an A4 sheet or chart paper.**

**Add drawings/pictures wherever possible.**

**Q1. Read the following questions and answer them:**

- Make a note on digital arrest and also mention steps/measures to avoid from digital arrest.
- Collect information of men and women ratio at 8 different workplace and prepare an excel file as per the following table and also make the graph in excel. Take the printout of table and graph and attach with project.

<b>Data analysis of women and men ratio</b>				
<b>S. No.</b>	<b>Workplace</b>	<b>Men worker</b>	<b>Women worker</b>	<b>Men &amp; Women Ratio</b>
1				
2				
3				
4				
5				
6				
7				
8				

**Q.2.: Convert the following number as per instructions given below:**

- Convert the following decimal into binary number system:

a)  $(7898)_{10}$       b)  $(96480)_{10}$       c)  $(2496)_{10}$       d)  $(684422)_{10}$

2. Convert the following decimal into octal number system:

a)  $(7898)_{10}$       b)  $(96480)_{10}$       c)  $(2496)_{10}$       d)  $(684422)_{10}$

3. Convert the following decimal into hexadecimal number system:

a)  $(7898)_{10}$       b)  $(96480)_{10}$       c)  $(2496)_{10}$       d)  $(684422)_{10}$

4. Convert the following binary into decimal number system:

a)  $(1110011011)_2$       b)  $(101010101010)_2$       c)  $(110011001100)_2$

5. Convert the following binary into octal number system:

a)  $(11100110111101)_2$       b)  $(101010101010)_2$       c)  $(11001100111100)_2$

6. Convert the following binary into hexadecimal number system:

a)  $(11100110111101)_2$       b)  $(101010101010)_2$       c)  $(11001100111100)_2$

## Art & Craft

**Make a beautiful necklace or any DIY jewellery by using beads and cloth.**

