

Class - VII

Holiday Homework

1.

SCIENCE

1) Diagram Work

- Photosynthesis
- Human Digestive System
- Structure of Leaf
- Water Cycle

(Draw and label on separate pages with explanation.)

2) Creative Work

Topic - My Future Invention

- Draw your invention
- Explain its uses and working

3) Plant Activity

- Paste pictures of 3-4 plants and write
 - Name
 - Type (Herb / Shrub / Tree)
- Add one neat diagram.



2.

GEOGRAPHY

• Map Work

- Label and locate Indian states with capitals on Indian map and paste in H.H.W. copy.
- Show all rivers on the map and paste in Geo H.W. notebook.

• Writing Work

1. What are different types of resources? Describe them.
2. What is afforestation? Write 2 benefits.
3. What is lithosphere? What is its average thickness?
4. What are the three main layers of Earth? Explain.



3.

CIVICS

- Chart Work - Make a chart of the Preamble of the Indian Constitution.
- Writing Work

- 1) Write Fundamental Rights and Fundamental Duties of the Indian Constitution.
- 2) Paste all Prime Ministers and Presidents of India with their working period / dates.
- 3) Define - Constitution, Law, Fundamental Rights.



4.

HINDI

1. अपना परिचय लिखें।
2. प्रतिदिन एक पेज का सुलेख कार्य करें।
3. अपनी दिनचर्या के बारे में 10 पंक्तियों लिखें।
4. अवकाश हेतु प्रधानाचार्य को प्रार्थना-पत्र लिखें।
5. भारत के सभी राष्ट्रपतियों के चित्र व उनके कार्यकाल की जानकारी सहित परियोजना तैयार कीलिए।
6. अपने माता-पिता की तस्वीर लगाकर उन पर कविता या 10 पंक्तियों लिखें।
7. अपने जीवन की किसी ऐसी घटना के बारे में लिखिए जब आपने बहादुरी से काम लिया हो। (50-60 शब्द)



5.

ENGLISH

- 15 pages writing in cursive.
- Revise Chapters 1, 2, 3 of English-I.
- Make a chart about parts of speech and define all parts.
- Write essays on -
 - ♥ 1) My School ♥ 2) My Best Friend ♥ 3) My Favourite Teacher
- Define all 12 tenses in your notebook.



♥ .. Do your homework neatly and on time .. ♥

1 Month Holiday Homework

Subject: Computer / Information Technology

Chapters Covered

1. Number System
2. Excel 2016 Charts
3. Excel 2016 Advanced Features
4. Animate CC Advancement
5. Adobe Photoshop CC and Introduction

Instructions

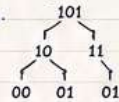
- Complete all work neatly in a notebook / computer file.
- Use colors and diagrams wherever needed.
- Paste screenshots of practical work.
- Submit homework after summer vacation.
- Maintain a separate practical file.



Week 1: Number System

123

- Day 1: Define Number System and types of number systems.
 Day 2: Create comparison chart of Decimal, Binary, Octal and Hexadecimal.
 Day 3: Practice conversions between number systems.
 Day 4: Write applications and differences of number systems.
 Day 5: Prepare flash cards of binary numbers.
 Day 6: Draw binary conversion tree.
 Day 7: Prepare MCQs and short questions.



Week 2: Excel 2016 Charts



- Day 8: Define charts and types of charts.
 Day 9: Draw Pie, Bar, Line and Column charts.
 Day 10: Create marksheet and charts in Excel.
 Day 11: Difference between chart types.
 Day 12: Create weather data charts.
 Day 13: Viva questions on charts.
 Day 14: Prepare MCQs from chapter.



Week 3: Excel 2016 Advanced Features



- Day 15: Define formulas and functions.
 Day 16: Create student result sheet.
 Day 17: Explain Sorting, Filtering and Conditional Formatting.
 Day 18: Create attendance sheet with formatting.
 Day 19: Difference between formula and function.
 Day 20: Prepare household budget sheet.
 Day 21: Revision work.



Week 4: Animate CC and Photoshop CC



- Day 22: Introduction to Adobe Animate CC.
 Day 23: Draw interface of Animate CC.
 Day 24: Create simple animation.
 Day 25: Introduction to Photoshop CC and tools.
 Day 26: Create greeting card or school poster.
 Day 27: Edit image using filters and effects.
 Day 28: Design Save Nature poster.
 Day 29: Viva preparation.
 Day 30: Final revision with MCQs and long questions.



Holiday Homework Project



- Prepare one practical file including:
- Number System conversions
 - Excel charts screenshots
 - Excel formulas and functions
 - Animate CC screenshots
 - Photoshop designs



Teacher's Note

Students should focus on neatness, creativity, practical learning, independent work and presentation skills.

SUMMER VACATION HOLIDAY HOMEWORK



1. Do all work neatly in your maths notebook.
2. Use pencil for diagrams and rough work.
3. Revise formulas daily.
4. Learn tables from 2 to 20.
5. Submit homework on time after vacation.

Chapter 1: Integers

Exercise - 1

1. $(+15) + (-9) =$ _____
2. $(-18) + (+25) =$ _____
3. $(+30) - (+12) =$ _____
4. $(-45) - (-15) =$ _____
5. $(-8) \times (+7) =$ _____
6. $(+56) \div (-8) =$ _____
7. Find the additive inverse of:
 - (i) $(+12)$ _____
 - (ii) (-20) _____
8. Arrange in ascending order: $-5, 8, -2, 0, 7$
9. Arrange in descending order: $-10, 12, 5, -1, 3$
10. Represent the following on number line: $+4, -3, +7, -6$



Chapter 2: Decimal & Fractions

Exercise - 2

1. Add:
 - (i) $4.56 + 3.44$
 - (ii) $12.5 + 7.25$
2. Subtract:
 - (i) $9.75 - 4.25$
 - (ii) $15.8 - 6.4$
3. Multiply:
 - (i) $\frac{3}{5} \times \frac{2}{3}$
 - (ii) $\frac{7}{8} \times 4$
4. Divide:
 - (i) $\frac{5}{6} \div \frac{1}{2}$
 - (ii) $\frac{3}{4} \div \frac{2}{5}$
5. Convert into decimal:
 - (i) $\frac{1}{2}$ _____
 - (ii) $\frac{3}{10}$ _____
 - (iii) $\frac{7}{100}$ _____
6. Convert into fraction:
 - (i) 0.5 _____
 - (ii) 0.25 _____
 - (iii) 0.75 _____
10. Simplify:
 - (i) $\frac{2}{7} + \frac{3}{7}$ _____
 - (ii) $\frac{9}{10} - \frac{4}{10}$ _____

Chapter 3: Rational Numbers

Exercise - 3

1. Identify rational numbers: $\frac{3}{5}, \sqrt{2}, -\frac{7}{8}, 0$
2. Add:
 - (i) $\frac{2}{9} + \frac{4}{9}$ _____
 - (ii) $-\frac{3}{7} + \frac{5}{7}$ _____
3. Subtract:
 - (i) $\frac{7}{8} - \frac{3}{8}$ _____
 - (ii) $\frac{5}{6} - \frac{1}{6}$ _____
4. Multiply:
 - (i) $\frac{2}{3} \times \frac{3}{5}$
 - (ii) $-\frac{4}{7} \times \frac{2}{9}$
5. Divide:
 - (i) $\frac{5}{8} \div \frac{1}{4}$ _____
 - (ii) $\frac{6}{7} \div \frac{3}{14}$ _____
6. Find reciprocal of:
 - (i) $\frac{5}{9}$ _____
 - (ii) $-\frac{7}{11}$ _____
7. Write any five rational numbers between: $\frac{1}{2}$ and $\frac{3}{2}$

Word Problems

1. The temperature in Shimla was -4°C in the morning and increased by 9°C in the afternoon. Find the afternoon temperature.
2. A rope 6.5 metres long is cut into 5 equal parts. Find the length of each part.
3. Riya bought $\frac{3}{4}$ kg apples and $\frac{1}{2}$ kg grapes. Find total weight of fruits.
4. A tank contains $\frac{50}{6}$ litre water, $\frac{1}{3}$ litre water is removed. How much water is left?

Activity Work (Do Any Two Activities)

Activity 1

- Make a colourful chart on:
- Integers
 - Rational Numbers
 - Fractions



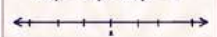
Activity 2

- Prepare flash cards of:
- Proper fractions
 - Improper fractions
 - Positive integers
 - Negative integers



Activity 3

- Draw a number line and represent: $+5, -4, +8, -7$



Fun Puzzle

I am a negative integer.
My absolute value is 9.
Who am I?

HAPPY SUMMER VACATION

Practice Maths Daily



Summer Art Holiday Homework



1. Summer Scenery Drawing

Scene: Draw a bustling beach, a cool swimming pool scene, or a sunny backyard picnic.

Medium: Use watercolor or oil pastels for vibrant colors.



2. "Summer Vibes" Doodle & Poster

Concept: Create a collage of doodles including ice cream, sun, sunglasses, beaches, and palm trees.

Style: Use sketch pens or markers to make bright, bold posters (like the ones shown in).



3. Famous Artist Recreation

Activity: Research a famous artist (e.g., Van Gogh, Picasso) and recreate one of their paintings on a sheet of plywood or thick cardboard.



4. Functional Art Projects

Activity: Paint a terracotta pot, a piggy bank, or create a custom design on a T-shirt.

Theme: Use summer colors or nature-inspired themes.



5. Creative Nature Drawing

Activity: Draw a realistic tree scene or a detailed "Whimsical Strawberry House" for a drawing book page.



6. Mandala or Zentangle Art

Activity: Use fine-liner pens to create intricate mandala art (such as a Krishna doodle for Janmashtami) or Zentangle patterns.



Recommended Art Materials

- DOMS Junior Art Kit (includes crayons, paints, and pencils).
- Mahan Kala Ki Or drawing books for grade-specific ideas.



Tips for Success:

- Use your drawing book to avoid the meshup of pages.
- Focus on adding details like shading to show light and shadow.



♥ Have a Creative & Colorful Summer! ♥