



HOLIDAYS HOMEWORK

CLASS- VI

Summer holiday homework



ENGLISH

SUMMER HOLIDAY HOMEWORK


Overall Objectives

- * Encourage creativity & imagination
- * Build reading and writing habits
- * Strengthen grammar concepts
- * Make learning enjoyable, not stressful

PART A: CREATIVE TASKS (FUN + EXPRESSION)

1. Create colourful and interactive grammar flash cards or a spinning wheel activity based on: Articles

Guidelines: Use clear headings and examples, make it attractive and easy to use, ensure correct grammar rules are followed.

“Here is the overview of Articles. Kindly watch it and complete the worksheet accordingly.” 

LINK :- <https://youtube.com/watch?v=VMYM6FzK3a4&feature=shared>


WORKSHEET:- Do ‘B’ part on page number 21 in your grammar book only with pencil.

2. Fun Activity

- * Design a creative bookmark and write a nice quote on reading habit.

PART B:

Create a grammar-based puzzle on any one of the given topics: • Tenses or Adjective

“Here is the overview of Perfect Tenses. Kindly watch it and complete the worksheet accordingly.” 

LINK :- <https://youtu.be/8c8yiwrPS0U?feature=shared>

WORKSHEET:- Do ‘A’ part pg no. 26 in your grammar book only with pencil.

Part C Vocabulary

1. Vocabulary Builder

Learn and use 10 new words from the dictionary in your daily life sentences.

Holiday Homework Guidelines:

- * Use colourful headings and drawings
- * Maintain good handwriting
- * Be creative and original

* The worksheets will be evaluated.

Important note :-

Revise all the work done in class for Periodic Test 1.

🌟 Enjoy your holidays while learning with fun!

हिंदी

प्रिय विद्यार्थियों,

यह गृहकार्य आपकी हिंदी भाषा, व्याकरण तथा रचनात्मक क्षमता के विकास के लिए तैयार किया गया है। सभी कार्य साफ-सुथरे, सुंदर हस्तलेख में एवं समय पर पूर्ण करें।"

"खंड – क : साहित्य

पाठ्यपुस्तक

• पाठ-एल्बम

1. 'एल्बम' पाठ का सारांश अपने शब्दों में लिखिए। (लगभग 120 शब्द)
2. पंडित शादीराम के चरित्र का वर्णन कीजिए। (लगभग 100 शब्द)
3. इस से आपको क्या शिक्षा मिलती है? (लगभग 80 शब्द)

• पाठ – प्लास्टिक से मुक्ति

4. पाठ का सारांश अपने शब्दों में लिखिए। (लगभग 120 शब्द)
5. प्लास्टिक के दुष्प्रभावों का वर्णन कीजिए। (लगभग 100 शब्द)
6. 'प्लास्टिक मुक्त भारत' विषय पर अपने विचार लिखिए। (लगभग 100 शब्द)

• भाषा, लिपि और व्याकरण

7. भाषा किसे कहते हैं? उसके दो रूप लिखिए।
8. लिपि का महत्व अपने शब्दों में लिखिए। (लगभग 80 शब्द)
9. व्याकरण क्यों आवश्यक है? स्पष्ट कीजिए। (लगभग 80 शब्द)

"खंड – ख : पठन कौशल

1. दैनिक पठन अभ्यास

प्रतिदिन 20–25 मिनट हिंदी की कहानी, कविता या समाचार पत्र पढ़ें।

"खंड ग व्याकरण अभ्यास

शब्द भंडार

प्रतिदिन 8–10 नए शब्द लिखें, उनके अर्थ और वाक्य बनाएं।

विलोम शब्द (20) और पर्यायवाची शब्द (20) लिखें। (व्याकरण वाटिका पुस्तक से)"

"खंड – घ: रचनात्मक लेखन

निम्नलिखित में से किसी एक विषय पर लगभग 120 शब्दों में लिखिए –

- पर्यावरण संरक्षण
- प्लास्टिक का दुष्प्रभाव
- मेरा प्रिय शिक्षक"

*हिंदी विषय के संभावित प्रोजेक्ट विषय:

- | | |
|---|-----------------|
| • संज्ञा के भेद | रोल नं 1 से 5 |
| • सर्वनाम एवं उसके प्रकार | रोल नं 6 से 10 |
| • पर्यायवाची एवं विलोम शब्द | रोल नं 11 से 15 |
| • मुहावरे एवं लोकोक्तियाँ | रोल नं 16 से 20 |
| • काल के भेद | रोल नं 21 से 25 |
| • हिंदी वर्णमाला एवं स्वर-व्यंजन | रोल नं 26 से 30 |
| • कविता पाठ एवं भावार्थ | रोल नं 31 से 35 |
| • प्रसिद्ध हिंदी लेखकों एवं कवियों का परिचय | रोल नं 36 से 42 |

सभी विद्यार्थी अपनी परियोजना को रोचक, सुंदर एवं शिक्षाप्रद बनाने का प्रयास करें।

महत्वपूर्ण निर्देश -

- सभी कार्य अलग फाइल/कॉपी में करें।
- कार्य साफ-सुथरा एवं सुंदर हस्तलेख में करें।
- स्वयं करें, नकल न करें।"

"नोट: इकाई परीक्षा-1 से संबंधित पाठ्यक्रम याद करें।

- आप सभी को प्रोजेक्ट बनाना अनिवार्य है। इसके अंक दिए जाएंगे

MATHEMATICS

1. Do the following Activities in Laboratory Manual book.

- Make a protractor by paper folding technique and measure angles in multiples of $22\frac{1}{2}$. (Page No. - 64)
- Classify triangles on the basis of sides and angles from the given set of triangles. (Page No. - 76)

2. Revise chapter -1 “PATTERNS IN MATHEMATICS” and “CHAPTER 2- LINES AND ANGLES”.

3. TESSELLATION ART ACTIVITY

A tessellation is a pattern made by repeating shapes so that they fit perfectly together without any gaps or overlaps. These patterns are often created using polygons like squares, triangles, or hexagons, but you can also combine two shapes creatively.

➤ Activity Instructions:

- ❖ Take 3 coloured strips of size 40 cm × 10 cm.
- ❖ Choose any geometrical shape(s) (triangle, square, hexagon, or your own creative design).
- ❖ Create a repeating pattern (tessellation) on each strip.
- ❖ Make sure your shapes fit together perfectly with no gaps or overlaps.
- ❖ Use colours, shading, and creativity to make your design attractive.
- ❖ Each strip should have a different pattern or design.

➤ Materials Required:

- ❖ Coloured paper strips (40 cm × 10 cm) – 3
- ❖ Pencil, eraser, ruler
- ❖ Sketch pens / crayons / colour pencils

➤ Submission Guidelines:

- ❖ Bring all 3 completed strips after the vacation.
- ❖ Ensure your work is neat, creative, and complete.
- Refer to the following video for reference:

<https://youtu.be/WqkDYFwQXRk>

<https://youtu.be/mg05EPTajgc>

4. Do the following worksheets in Holiday Homework Notebook.

Chapter 1: Patterns in Mathematics

1. The following series follows a fixed pattern: 2, 3, 3, 4, 4, 4, 5, 5, 5, 5, 6, ...
If the pattern continues, determine how many times the number 9 appears in the NEXT 20 terms.

- a) 3 b) 4 c) 7 d) 8
-

2. The following number series is based on a pattern. One term is incorrect. Identify the incorrect term.

2, 3, 6, 11, 18, 25, 38, 51, 66, 83

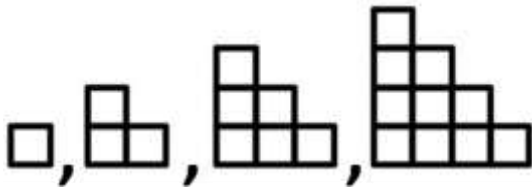
- a) 11 b) 25 c) 51 d) 66
-

3. What will come in place of "?" in the given series? 1@3, #5#, 7@9, #11#, 13@15, ?, 19@21

- a) @17@ b) #15# c) 16#18 d) #17#
-

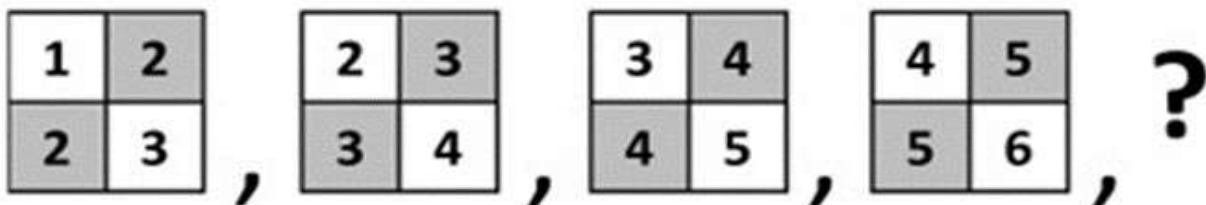
4. The first four terms of a block series are shown below.

If the pattern continues in the same manner, which term of the series will be the first to contain more than 20 blocks?



- a) 5th term b) 6th term c) 7th term d) 8th term
-

5. What will come in place of "?" in the given series?



- a)

5	6
6	8

 b)

6	7
7	8

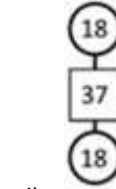
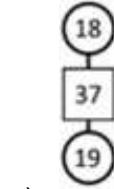
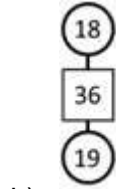
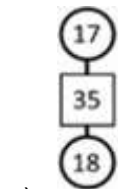
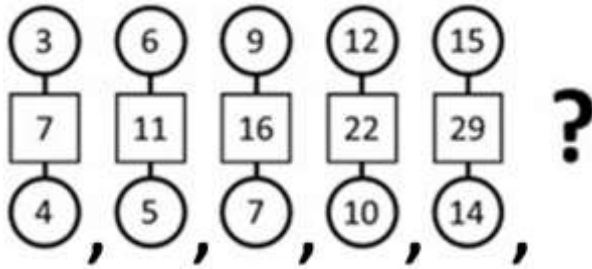
 c)

6	7
7	7

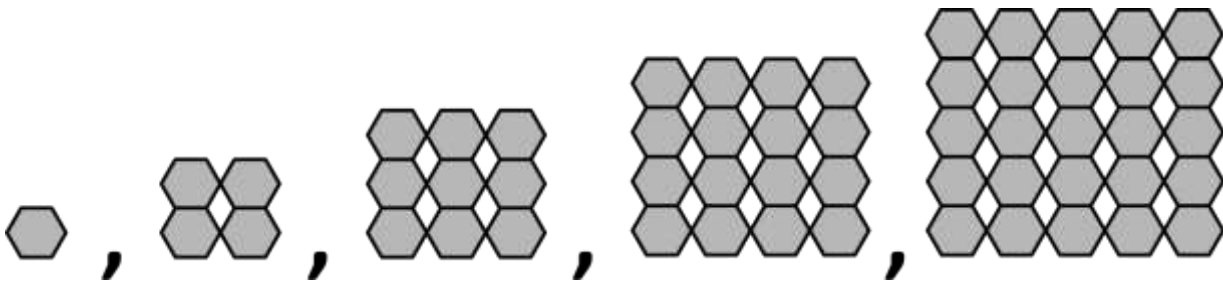
 d)

5	6
6	7

6. What will come in place of "?" in the given series?



7. The first five terms of a series formed using grey hexagons and white diamonds are given below. If the same pattern continues, how many diamonds will be present in the term where the number of hexagons is 144?



a) 100

b) 135

c) 121

d) 169

8. Given below are two sets of numbers, P and Q. Which number from Set P can be interchanged with a number from Set Q such that both new sets follow a particular series or pattern?

Set P: (18, 22, 24, 27, 30)

Set Q: (21, 24, 27, 31, 36)

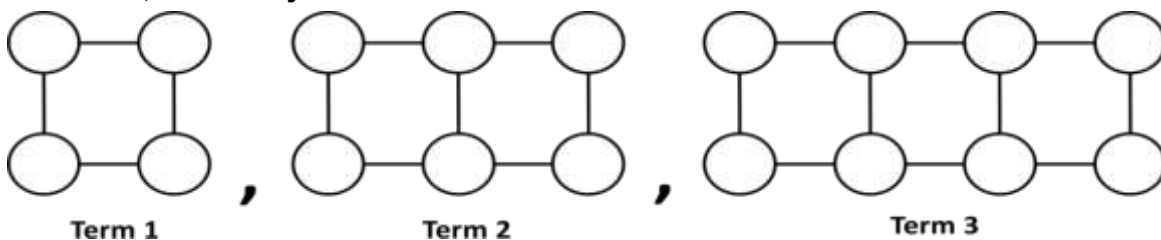
b) 18

b) 27

c) 22

d) 30

9. The first three terms of a series of circles are shown below. If the pattern continues in the same manner, how many circles will be there in term 91?



a) 184

b) 180

c) 194

d) 204

10. A pyramid has to be formed by combining cubes. Every level will have two fewer cubes than the level below it. If a pyramid is formed using at most 30 cubes, what is the maximum number of levels it can have?

a) 3

b) 4

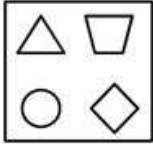
c) 5

d) 6

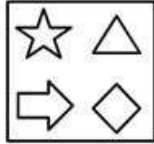


The Thinking Spot

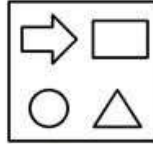
You must shoot exactly one item from each box, to eliminate it from its box. When an item is shot, the same item in the adjacent box is also eliminated. What is the **MAXIMUM** number of items that can be eliminated, after all 3 shots?



Box A



Box B



Box C

(a) 4

(b) 5

(c) 6

(d) 7

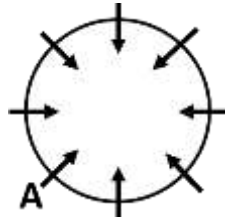


Chapter 2: Lines and Angles

1. Eight friends (A, B, C, D, E, F, G, H) are sitting at equidistant positions around a circular table, each facing towards the centre, as shown below.

- A is facing North-East
- B and D are facing perpendicular directions
- B is to the immediate left of A; while C is exactly between E and F
- B and F are facing opposite directions

If G is sitting exactly between B and D, what is the angle between the directions that A and C are facing?



- a) 45 degrees b) 90 degrees c) 135 degrees d) 180 degrees

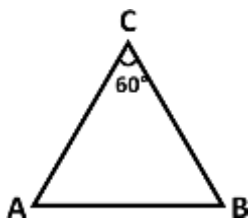
2. Avi and Sam attend dance sessions in the afternoon.

- Avi's session starts when the angle between the hour hand and the minute hand of the clock is 60 degrees
- Sam's session starts at 1:55 PM

What is the least possible difference between the starting times of both sessions?

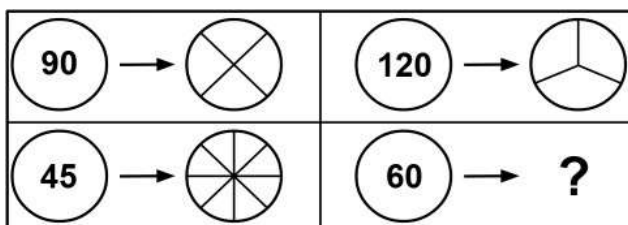
- a) 2 minutes b) 5 minutes c) 10 minutes d) 15 minutes

3. An equilateral triangle (all the angles are equal) is given below. At minimum, by how many degrees should the given triangle be rotated anticlockwise so that it looks exactly like the original triangle?



- a) 30 degrees b) 60 degrees c) 120 degrees d) 90 degrees

4. What will come in place of “?”



- a)
- b)
- c)
- d)

10. A line segment AB is shown below. Five points: C, D, E, F, and G lie on the line segment AB such that

- All the points (including A and B) are at equal intervals
- The length of segment CB is equal to the length of segment GD
- Point E is immediately to the right of point C
- Point F cannot be next to E or D

Which segment among the following options is the longest?



a) GC

b) FE

c) GE

d) FD



The Thinking Spot

There are four ropes: A, B, C, and D. Each rope has a different length and a different colour chosen from Blue, Red, Green, and Yellow. Rope B is longer than only the Green rope. The Blue rope is longer than B but shorter than C. Rope A is not Blue. If the Yellow rope is the longest, which rope is Red?

(a) A

(b) B

(c) C

(d) D



SCIENCE

Complete all the work neatly and sincerely.

1. Create a poster that promote the importance of eating a balanced diet including fruit vegetable green protein and water.
2. Collect 10 different types of leaves from your surroundings. Identify they are venations pattern and whether they come from monocot or dicot plant. Prepare a scrapbook paragraph.
3. Do experiment -3 (page -20) in your lab Manual .
To classify object as magnetic and non magnetic substance.
4. Read and revise ch-1,2,3

SOCIAL SCIENCE

1 .Students are required to prepare a project of Globe
With the help of plastic ball
Reference video link will be shared to guide you in making project neatly
<https://youtube.com/shorts/Br0ZB35QyT4>? Materials Required

- * Plastic ball
- * White paper
- * Pencil and eraser
- * Sketch pens / colour pencils

- Glue
- Woollen thread
- Scale

Instructions

Project should be neat and presentable

Label all important latitudes neatly using sketch pens.

2 .Revise all chapters which have taught in class

Do pg-19,21,23,25,39 in Map practice book

Practice work sheet

Class VI

GEOGRAPHY: section -A

A. Very Short Answer Questions

- 1.What are latitudes?
- 2.What are longitudes?
- 3.What is the Prime Meridian?

B. Short Answer Questions (2–3 marks)

- 1.Why are latitudes and longitudes important?
- 2.How do we locate a place on Earth using coordinates?

3.What are heat zones of the Earth?

C. Match the Following

Column A. Column B

1. Equator. A. 0° Longitude
2. Prime Meridian. B. 0° Latitude
3. Latitude. C.. Horizontal lines

5. Longitude. D. Vertical lines

HISTORY. Section -B

Short Answer Questions

- 1.Why are timelines important?
- 2..How do historians use sources to study the past?
- 3.What is the difference between archaeological and literary sources?

Long questions answer

- 1.Explain the importance of timelines in studying history. Give examples.
- 2.Describe the importance of coins, tools, and monuments as sources of history.
- 3.What is meant by chronological order? Why is it important in history?

Case study based question

Historian found a broken pot, an old coin, and a handwritten manuscript. By studying these, she tried to understand how people lived in the past.

Questions:

Which items are archaeological sources?

Which item is a literary source?

What can historians learn from such sources?

Why is it important to study different types of sources?

ACTIVITY SECTION

 Activity 1: Make Your Own Timeline

Draw a timeline of your life.

Include at least 5 events (birth, first school, prize, etc.).

Arrange them in chronological order.

COMPUTER

1. Open Google Sheets and create a new sheet.

Rename it: "Student Practice"

Enter the following data:

A (Fruit)	B (Price)
Apple	50
Banana	20
Mango	60
Orange	40
Grapes	70

Do the following formatting:-

- (i) Make the headings bold.
- (ii) Fill the heading row with any color.
- (iii) Adjust column width properly.

(Save it with your name and roll number and bring print out after summer vacation holidays)

2. Enter marks for 5 subjects:

Subject	Marks
English	75
Maths	80
Science	70
SST	65
Computer	85

Use functions to calculate:

Total Marks using SUM function:

- =SUM(B2:B6) → ____

Average Marks using AVERAGE function:

- =AVERAGE(B2:B6) → ____

Highest Marks using MAX function:

- =MAX(B2:B6) → ____

Lowest Marks using MIN function:

- =MIN(B2:B6) → ____

(Save it with your name and roll number and bring print out after summer vacation holidays.)

3. Make a digital poster on the topic “AI-Assisted fitness apps” on canvas (ref page no.29) and paste it on your notebooks.

CH- 1 Mastering Google Sheets(worksheet)

Section A: Knowledge Check (Multiple Choice)

Q1. Circle the correct answer for each question.

1. Which symbol must every formula in Google Sheets start with?

- a) # b) @ c) = d) +

2. What is a “Cell Range” in Google Sheets?

- a) A single cell only.
b) A collection of two or more cells.
c) The name of the spreadsheet.
d) A type of error.

3. If you see DIV/0! In a cell, what does it mean?

- a) The column is too narrow.
b) You are trying to divide a number by zero.
c) The formula has a typo in the name.
d) The cell is empty.

4. Which function would you use to find the highest value in a list of numbers?

- a) =SUM()
b) =AVERAGE()
c) =MAX()
d) =MIN()

Section B: Fill in the Blanks

Q2. Use the words in the box to complete the sentences. Relatives, Functions, Sharing, Address, Colon (☺)

- A cell _____ (like A1 or B5) tells us the exact location of a cell using its column letter and row number.
- To define a cell range, we use a _____ between the first and last cell references (e.g., A1:A10).
- _____ are predefined formulas already built into Google Sheets to perform calculations easily.
- The _____ button allows multiple people to work on the same spreadsheet at the same time.
- _____ cell referencing automatically changes the formula when you copy it to a different cell.

Section C: Identifying Errors

Q3. Match the error code to its correct description.

Error Code	Description
1. #NAME?	A. The formula contains invalid numeric data.
2. #REF!	B. Google Sheets doesn't recognize a word used in the formula.
3. #VALUE!	C. The formula refers to a cell that has been deleted or moved.

Section D: Practical Applications

Q4. Look at the table below and answer the questions.

	A (Item)	B (Price)	C (Quantity)
1	Notebook	50	2
2	Pen	10	5
3	Eraser	5	10

- Write a formula to calculate the Total Cost of Notebooks (Price \times Quantity):

- Write a function to calculate the Total Price of all individual items in column B:
B: _____
- How would you write the Cell Range for all the quantities listed in column C?

Section E: Short Answer

Q5. Explain the difference between a Formula and a Function.

Q6. What are the three permission levels you can choose when sharing a Google Sheet?

Artificial Intelligence(Worksheet)

(A)Multiple Choice Questions.

1)What is labelled data?

- a)Data without any tags b) Data with predefined labels or tags
c)Random data d) Incorrect data

2) Who introduced the Turing Test?

- a) John McCarthy b) Alan Turing
- c) Charles Babbage d) Isaac Newton

3) In supervised learning, data is:

- a) Unlabelled b) Random
- c) Labelled d) Deleted

4) Predicting exam marks based on the trained data uses:

- a) Supervised Learning b) Unsupervised Learning
- c) Reinforcement Learning d) All of the above

5) Which of the following is not AI?

- a) Voice assistant b) Face recognition
- c) Traditional traffic signal d) Smart chatbot

(B) Fill in the blanks.

- 1) Intelligence includes the ability to learn and _____ problems.
- 2) AI is a technique to make intelligent _____.
- 3) Automation works on fixed _____ and preset instructions.
- 4) Unsupervised learning is mainly used for _____.
- 5) Machine Learning allows machines to learn from _____.

(C) Short answer questions.

1) Define intelligence in your own words.

2) State two differences between automation and AI.

3)What is reinforcement learning?

4)Name the three types of Machine Learning.

5)Give two examples of AI used in daily life.

(D)Think and apply.

Identify the Type of Machine Learning.

Scenario	Type of Learning
Grouping customers based on shopping habits without label	
Predicting house prices based on past labelled data	
A game AI improving after winning or losing	
Sorting emails into spam and not spam	

(E)Classify the following as AI or Automation.

Example	AI or Automation?
Traffic light changing at fixed intervals	
Face Recognition System	
Washing machine with preset timer	
Voice assistant answering questions	

संस्कृत

प्रश्न 1 संस्कृत में 5 फूल व 5 फल के चित्र बनाकर या चिपकाकर संस्कृत में नाम लिखे। (A-4साइज शीट पर)

प्रश्न 2 चित्र को देखकर किन्ही 5 वस्तुओं के नाम संस्कृत में लिखो । (यह कार्य चित्र चिपकाकर अपनी उत्तरपुस्तिका में करें।)



प्रश्न 3 शरीर के अंगों के नाम चित्र सहित संस्कृत में A4 साइज की शीट पर लिखे।

प्रश्न 4 अभ्यास कार्य (प्रश्न 4 से 7 तक का कार्य अपनी उत्तरपुस्तिका में करें।)

अर्थान् लिखत (अर्थ लिखे)

कोकिला: -

मीना: -

कूजति -

मनोहर -

अस्माकम्-

प्रश्न 5 'खाद' धातु लट् लकार के रूप तीनों पुरुषों में अपनी उत्तर पुस्तिका में लिखें

प्रश्न 6 दो श्लोक संस्कृत में अर्थ सहित ए4 शीट पर लिखिए।

प्रश्न 7 संस्कृत में अनुवाद लिखे।

- वह जाता है।
- राम भोजन खाता है।
- हम दोनों पढ़ते हैं।
- तुम सब जाते हों।
- वे दोनों विद्यालय जाते हैं।
- हम सब देखते हैं।
- तुम दोनों घूमते हों।

DRAWING

Dear Students (Class VI),

For your holiday homework, you are required to prepare handmade jewellery using the concept of “Best Out of Waste.” I will be sharing a few options with you, and you are also encouraged to explore and search for your own creative ideas.

You may create items such as bangles, earrings, or any other jewellery of your choice. Use waste or recycled materials and transform them into something beautiful and artistic.

Let your creativity shine—explore different designs, experiment with materials, and prepare a neat and attractive piece of artwork.

<https://pin.it/16F0eIbPZ>

Draw one painting or composition of your favorite medim on A3 size sheet .Like- Pencil shading, colour pencil shading, oil pastel, poster colours etc.

Be creative and enjoy the process!



