



AIR FORCE SCHOOL KANPUR CANTT.



ACADEMIC SESSION-
2026-27

ENJOY YOUR SUMMER VACATION



▶ ITS SUMMER TIME: TIME FOR STRENGTHENING FAMILY BOND, TYING THREADS OF FAMILY TREE, SHARING JOYS AND SORROWS, HAVE A GOOD TIME TOGETHER.



▶ TAKE GOOD CARE OF YOUR HEALTH AND HYGIENE.



▶ USE HOLIDAY HOMEWORK AS AN OPPORTUNITY TO SPEND QUALITY TIME TOGETHER.



▶ LET THE CHILD TAKE THE LEAD AND USE THEIR IMAGINATION, CREATIVITY AND KNOWLEDGE TO DO THE ASSIGNED TASK. THE ROLE OF THE PARENT IS TO BE THE FACILITATOR AND GUIDE TO STEER THE CHILD TOWARDS THE RIGHT PATH.



▶ DO YOGA PRACTICE DAILY.



WE WISH YOU LOADS OF
HAPPINESS, JOY, FUN
AND GOOD HEALTH WHILE
YOU ARE ON VACATIONS.

Summer Vacation Work

Class VI

Subject - Mathematics

Chapter 1: Patterns in Mathematics

1. If the rule for a pattern is $3n + 1$, what is the 5th term?
2. What is a sequence of numbers that follows a specific rule called?
3. In the pattern 2, 4, 6, 8,, what will be the 10th term?
4. If n represents the number of sides in a regular polygon, what is the perimeter of a square with side length n ?
5. Write the next two terms of the pattern: 1, 4, 9, 16,
6. If a pattern increases by 5 each time and starts at 2, what is the rule?
7. What is the variable in the expression $5x + 3$?
8. Complete the pattern: 100, 90, 80, 70,
9. If $x = 4$, find the value of $2x - 1$.
10. What is the common difference in the pattern 7, 11, 15, 19,?
11. How many matchsticks are required to make a pattern of 3 triangles (connected in a row)?
12. Express the sum of x and y algebraically.
13. What is the 100th term of the pattern n, n, n, \dots ?
14. If the rule is n^2 , what is the 6th term?
15. What is the value of $3n$ when $n = 10$?
16. Find the missing number: 1, 3, 6, 10,, 21.
17. What do we call a symbol that can take various numerical values?
18. If the side of an equilateral triangle is l , what is its perimeter?
19. Identify the rule for: 5, 10, 15, 20,
20. What is the term for a pattern that repeats itself exactly?

Chapter 2: Lines and Angles

1. How many endpoints does a line segment have?
2. What is the part of a line that has one endpoint and extends infinitely in one direction?
3. What do we call two lines that never meet, no matter how far they are extended?
4. What is the measure of a right angle?
5. An angle whose measure is less than 90° is called?
6. What instrument in a geometry box is used to measure angles?
7. How many lines can pass through a single given point?
8. What is the angle formed by the hands of a clock at 3:00?
9. Two lines meeting at a point are called _____ lines.
10. What is an angle greater than 90° but less than 180° called?
11. What is the measure of a straight angle?
12. How many endpoints does a ray have?
13. Name the vertex of $\angle PQR$.

14. If two lines intersect at 90° , they are said to be _____.
15. What is the maximum number of points of intersection for two distinct lines?
16. An angle of 180° is also known as a _____ angle.
17. What do we call three or more points that lie on the same line?
18. Which angle is larger: 45° or a right angle?
19. The distance between two parallel lines is always _____.
20. How many degrees are in a complete rotation?

Subject - Science

1. Prepare a poster on save water /save earth on half chart paper (choose anyone topic)
2. Prepare herbarium file and paste following items
 - a) five leaves of different plants showing parallel venation
 - b) 5 leaves of different plants showing reticulate venation
 - c) two plants having taproot
 - d) two plants having fibrous root
 - e) five dicot seeds with their names
 - f) 5 monocot seeds with their name.
3. Learn chapter 1,2 and 3 for PA-1 exam

Subject - Social Science

1. Map Work
 - A. On a political map of India Mark all the states and union territories along with their capitals
 - B. On the political world map mark all the India's neighbouring countries.
2. Cultural exploration
 - A. State wise diary: choose 4-5 different states for each write a short entry describing:
 - a. famous landmarks
 - b. unique festivals
 - c. traditional foods or local dishes
 - B. The Continent Fact-File: Create a "Passport" for each of the 7 continents. Each page should include:
 - a. Name of the Continent.
 - b. The largest country in that continent.
 - c. One famous mountain range or river found there.
 - C. The Global Address: Using an atlas, find the approximate Latitude and Longitude for:
 - a. New Delhi, India.
 - b. The city you are visiting this summer.
 - c. The city you lived in

3. Learn all the syllabus done in class in Geography Register.

Note: Do all the work in a separate file.

विषय - हिंदी

1. पढ़ाए गए सभी पाठों को पढ़ें तथा उनका अभ्यास करें।
2. अपने छोटे भाई को समय का महत्व बताते हुए पत्र लिखें।
3. अनुक्रमांक 1 से 8 तक वर्ण तथा वर्णमाला का फ्लो चार्ट, चार्ट पेपर पर बनाएं।
अनुक्रमांक 9 से 16 तक मातृभूमि कविता सचित्र चार्ट पेपर पर लिखें।
अनुक्रमांक 17 से 25 तक एक बूंद या बारिश से संबंधित कोई अन्य कविता सचित्र चार्ट पेपर पर लिखें।
4. 1 से 20 तक पर्यायवाची शब्द
1 से 20 तक विलोम शब्द
1 से 15 वाक्यांशों के लिए एक शब्द
1 से 15 अनेकार्थी शब्द व्याकरण की कॉपी में लिखे तथा याद करें।
5. रोज एक पेज इमला तथा सुलेख लिखें।
6. समाचार पत्र से कोई पांच विज्ञापन (जो आपके रोजमर्रा के जरूरत की वस्तु हो जैसे- साबुन,तेल,मंजन आदि) काटकर अपनी व्याकरण की नोटबुक में चिपकाएं।

विषय - संस्कृतम्

१-पठ धातु के रूप लट् लकार, लङ्ग लकार, लृट् लकार में रूप लिखिए तथा सर्वनाम शब्दों का प्रयोग करते हुए संस्कृत में वाक्य लिखिए

जैसे-सःपठति । सा पठति आदि।

२-वर्ण संयोजन और वर्ण विच्छेद करके दस, दस उदाहरण लिखिए।

३-शब्दरूप बालक (पुल्लिंग) रमा (स्त्रीलिंग) रूप लिखिए।

४-1 से 20 तक संख्या संस्कृत में लिखिए।

५- उच्चारणस्थान को याद करें।

Subject – English

1. Creative writing:

- A. On the basis of a story 'A Bottle of Due' develop script with dialogues
- B. Convert the poem 'The Raven And The Fox' in the form of a story.
- C. Write a paragraph on the topic 'Importance of Discipline'
- D. Write a Sick leave application to the principal of your school for three days as doctor has prescribed you bed rest.

2. Project work:

- A. Find out the varieties of Banana which are grown, cultivated and eaten in different parts of India. Write about them on the comment sheet. Draw and colour a banana tree and banana fruits

3. Cursive writing:

Right at least 15 pages in English cursive writing.

Instructions

- A. Complete the work neatly.
- B. Use coloured pencils wherever needed.
- C. Do the work in your own handwriting in a separate file.

Summer Holiday Homework

Computer

Complete your Chapter/Lesson – I (Exercise) of your Computer book in your computer Notebook.