



# LK SINGHANIA EDUCATION CENTRE

Nimbahera – 312617, Rajasthan (India), ISO 9001:2015 Certified Institution

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## SUMMER BREAK CIRCULAR

Dear Students,

The school will remain closed for the summer vacation from **19 May 2025 to 25 June 2025**. Summer is a perfect time to unwind, recharge, and spend quality time with your loved ones. While we hope you enjoy a well-deserved break, we also encourage you to use this time creatively and constructively. To help you make your holidays both enjoyable and meaningful, here are some suggested activities:

### 1. Reading & Comprehension

Read storybooks, newspapers, or magazines to build vocabulary and enhance your comprehension. Create a personal dictionary by noting down new words and their meanings. Try writing short summaries of chapters or book reviews to develop your writing skills.

### 2. Cinema for Learning

Watch educational or inspirational movies and documentaries. Jot down key takeaways and try to connect them with real-life situations or classroom lessons.

### 3. Academic Review

Revise topics covered so far to reinforce your understanding. Start preparing for your upcoming half-yearly syllabus. Complete all pending assignments and make sure you understand important definitions and concepts.

### 4. Project Work

Work on your art-integrated projects as per CBSE and school guidelines. Be creative and original. While online resources can guide you, avoid directly copying content.

### 5. Skill Building & Reflection

Explore a new hobby or skill like drawing, cooking, swimming, coding, or calligraphy. Maintain a holiday journal to record your daily experiences and learning. It will be fun to look back on!

Important Note

All assignments and project work must be completed and submitted by the specified deadline. Be prepared to present or discuss your work once school reopens. Wishing you a joyful, safe, and enriching summer vacation!

Make the most of it — learn, create, explore, and return refreshed!

Nidhi Sharma

Principal





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## SUMMER VACATION HOMEWORK 2025-26

### CLASS 12TH SCIENCE

#### ENGLISH

1. Draft a **notice** informing students about an *Inter-House English Debate Competition*. (50 words)
2. Write a **job application** for the post of an *English Teacher* at a reputed school in Jaipur. Attach a suitable bio-data.
3. Draft an **invitation card** and a short informal invitation inviting your friend to a *success party* after your board exams.
4. Write an **article** on "*The Importance of Mental Health for Students*". (150–200 words)
5. Write a **report** on "*The Grand Annual Day Celebration at Your School*". (150–200 words)
6. **My Mother at Sixty-Six**: Why has the poet compared her mother's face to the late winter's moon? (30–40 words)
7. **Lost Spring**: What does Anees Jung highlight about the plight of street children? (100–120 words)
8. **The Last Lesson**: What made Franz realize the importance of his mother tongue? (30–40 words)
9. **The Third Level**: How is the theme of escapism reflected in *The Third Level*? (100–120 words)

#### PHYSICS

1. Solve all the questions of NCERT text book exercise of chapter-9 (Ray optics) and Chapter-10 (Wave Optics)
2. Write notes of all the lectures of chapter-9 (Ray optics) and wave optics (Ch-10)
3. Decide the investigatory Project of Physics and prepare project report (Soft copy only) Working model will be prepared after approval.
4. Prepare one marks 20 questions and 5 questions of two marks from ray optics
5. Redraw all the related ray diagrams of ray optics and practice them to develop skill

#### CHEMISTRY



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1. To prepare investigatory project on given topic for AISSCE 2025 practical examination chemistry.
2. Prepare lab record.

## MATHS

Revise and do at least 15 questions from RD Sharma of chapter 2,5 and 6

## BIOLOGY

1. To write detailed notes of following chapters:
  - I. Principles of Inheritance and Variation
  - II. Molecular Basis of Inheritance
2. To write practical's of section-A and B, from lab manual.[As discussed in class] final submission date 01 july 2025.
3. To prepare Biology Project in soft copy only.[ On the topics provided individually to each student] final submission date of Hard copy: 01 july 2025.

## COMPUTER SCIENCE

1. Which of the following is the use of function in python?
  - a. Functions are reusable pieces of programs
  - b. Functions don't provide better modularity for your application
  - c. you can't also create your own functions
  - d. All of the mentioned

2. What is the output of the below program?

```
def cube(x):  
    return x * x * x
```

```
x = cube(3)
```

```
print (x)
```

- a. 9      b. 3              c. 81                      d. 27

3. Predict the output of the Python code given below:

```
x=1
```

```
def fun1( ):
```





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```
x=3
x=x+1
print(x)
def fun2():
    global x
    x=x+2
    print(x)
fun1()
fun2()
```

Q4. Find the error (if any) in the following code and write the corrected code and underline it :

Def sum(a,b)

returna+b

print “The sum =” Sum(7,-1)

5. What will be the output of the following code?

num=100

def showval(X):

global num

num = 85

if(X%2==0):

num += X

else:

num -= X

print(num,end="#")

showval(33)

print(num)

100#52

6. Write a function CHANGE\_LIST(L), where L is the list of elements passed as argument to the function. The function returns another list named ‘NewList’ that stores the indices of all Non-Zero & Positive Elements of L.

For example:

If L contains [11,8,0,13,0,-4,59,-7]

The NewList will have - [0,1,3,6]

7. Which of the following function calls can be used to invoke the below function

definition? def test(a, b, c, d)





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- i. test(1, 2, 3, 4)
- ii. test(a = 1, 2, 3, 4)
- iii. test(a = 1, b = 2, c = 3, 4)
- iv. test(a = 1, b = 2, c = 3, d = 4)
- a. (iii) and (iv)                      b. (i) and (iii)                      c. (i) and (iv)                      d. (ii) and (iv)

8. Predict the output of the code given below:

```
s="welcome2lks"
def changeval(s):
    n = len(s)
    m=""
    for i in range(0, n):
        if (s[i] >= 'a' and s[i] <= 'm'):
            m = m +s[i].upper()
        elif (s[i] >= 'n' and s[i] <= 'z'):
            m = m +s[i-1]
        elif (s[i].isupper()):
            m = m + s[i].lower()
        else:
            m = m +'&'
    print(m)
changeval(s)
```

## Project/Practical Work

1. Group formation, Topic allotment and Synopsys creation.
2. Practical – 7 Practical in practical file.
3. Complete your classwork notebook.

## FINE ARTS

40 Sketches on A3 paper ( Object study, Portrait, Landscape, cityscape, Hand , Leg gesture, Bird, Animal, Flower Human figures, Perspective drawing, Caricature, Foliage study etc)

2 Indian folk art

2 Modern art/ contemporary art





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1 Canvas( 18''x24'')

## PHYSICAL EDUCATION

Practical 1 - Fitness test administration SAI Khelo India Fitness test

## HINDI

पूरक पाठ्यपुस्तक

वितान- भाग-2.

1. सिल्वर वेडिंग
2. .जूझ
3. अतीत में दबे पांव

तीनों पाठों का गम्भीरता से पढ़कर, पीछे दिए गए प्रश्नों के उत्तर कॉपी में करने हैं।

4.पाठ्य पुस्तक के किसी एक कवि या लेखक को लेकर एक प्रोजेक्ट फाइल बनानी है ।

