

SAINIK SCHOOL GOPALGANJ
SUMMER VACATION ASSIGNMENT

CLASS-7

ENGLISH

Choose a novel or a story book of your own choice. Read the book over the summer vacation and write a comprehensive book review in 100-120 words analyzing the plot, characters, themes, and your personal reflection on the story.

How to do- The review is to be written in 80-100 words keeping in mind the given aspects:

- (a) About the Book
- (b) About the Writer
- (c) Summary
- (d) Favourite character (s)

2. Write a diary entry as if you are the river. Describe one day in your life. Talk about the people, pollution, birds, animals, and how you feel. (150–200 words)

3. Inspired by Helen Keller, describe what you would do if you had only three days to see. Mention places, people, and things you would observe.

How to do- You may begin as

"If I could see for just three days, I would..."

Include what you'd observe, whom you'd want to see, the colors, nature, faces, or books you'd explore. Reflect on how we often take our senses for granted.

4. Choose a famous personality (e.g., Thomas Edison, A.P.J. Abdul Kalam, and J.K. Rowling) who faced failure and didn't give up. Create a 1-2 page profile including:

- Name and photo
- Challenges they faced
- How they succeeded by trying again
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5. Create a motivational collage using magazine cutouts, photos, or drawings.

How to do- Find and cut out pictures of:

- Famous personalities who succeeded after failures (e.g., A.P.J. Abdul Kalam, Thomas Edison, Walt Disney, J.K. Rowling).
- Sports icons who overcame defeats (e.g., M.S. Dhoni, Lionel Messi, Mary Kom).
- Inspirational words or phrases like "Try Again," "You Can Do It," "Failure is a Step to Success."

- Paste and arrange them on a chart paper creatively.
- Write the poem's title "Try Again" at the top and decorate the border.
- Add a 3–4 line self-written quote or reflection at the bottom:

"I won't stop trying because every failure teaches me something new."

HINDI

1) 'कारक' की परिभाषा और उसके भेदों को लिखिए ।

2) सर्वनाम की परिभाषा उसके भेदों को लिखिए ।

3) 'क्रिया' की परिभाषा और उसके भेदों को लिखिए ।

4) 'देशज' और 'विदेशज' शब्दों की परिभाषा लिखिए ॥

5) 'विराम चिन्हों' को लिखिए ।

6) अनुच्छेद लिखिए (लगभग 120 शब्दों में) ;

i) पुस्तकालय कितने उपयोगी ii) मैंने ग्रीष्मावकाश कैसे बिताया

7) आपका छोटा भाई / छोटी बहन ने वार्षिक परीक्षा में अपनी कक्षा में प्रथम स्थान हासिल किया है ।

इसके लिए उसे लगभग 100 शब्दों में एक बधाई-पत्र लिखिए ।

SANSKRIT

1. तीर्थ एवं दर्शनीय स्थानों के आगे उनके राज्य नाम लिखो ।
2. पुस्तक की सहायता से श्रेष्ठ पर्वतों के नाम लिखो ।
3. सभी पवित्र नदियों के नीम लिखो ।
4. कोई दो धातु रूप अपने पाठ्य-पुस्तक से देखकर लिखें एवं याद करें ।
5. कोई चार शब्द रूप अपने पाठ्य-पुस्तक से देखकर लिखें ।
6. तीर्थ क्षेत्रों के नीम लिखो ।
7. पृष्ठ संख्या 10 के प्रश्नोत्तर लिखो।

MATHS

1. Find the product, using suitable properties:

$$26 \times (-48) + (-48) \times (-36).$$

2. Verify the following:

$$(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$$

3. Write two integers whose sum is 100 and difference is also 100.
4. Write five integers which are less than -100 but greater than -150 .
5. Write four pairs of integers which are at the same distance from 2 on the number line.
6. The sum of two integers is 30. If one of the integers is -42 , then find the other.
7. What happens when you add or subtract the same number from both sides of an equation? Why does the solution not change?
8. At Srinagar temperature was -5°C on Monday and then it dropped by 2°C on Tuesday. What was the temperature of Srinagar on Tuesday? On Wednesday, it rose by 4°C . What was the temperature on this day?
9. Prepare the modals/ Do an activity to show of different types of equivalent fractions.
10. If you have the equation $3(x+2)=183(x+2)=183(x+2)=18$, why can't you just divide both sides by 3 right away? What would be the correct approach? Why is it necessary to simplify both sides of the equation before solving it?

SCIENCE

TITLE- NATURAL INDICATOR DETECTIVE

Get ready to become a home scientist this summer! Have you ever been curious why your shirt turns red when turmeric meets soap? Or why lemon juice stings a cut but tastes so refreshing?

Investigate the secret identities of everyday substances using natural ingredients like turmeric, red rose. Through fun experiments and colorful reactions, you'll explore the world of acids, bases, and neutral substances right from your kitchen. Complete a project covering following aspect mentioned below:

AIM

To understand the properties of acids, bases, and neutral substances using natural indicators through real-life, engaging activities.

ACTIVITY DESIGN

Materials Required: Turmeric powder, red rose petals, Filter paper/blotting paper

Lemon juice, vinegar, baking soda, soap solution, shampoo, soda water, salt solution, sugar solution, milk of magnesia

Cotton buds, White paper, small bowls, Dropper/spoon. tooth prick.

STEPS

(i) Make your own turmeric indicator paper:

- Make a paste with turmeric and water.
- Prepare a 'magic greeting card'. You can make this greeting for your favourite teacher, Principal or Vice Principal or your Parents or Best Friend
- Paint a white sheet with turmeric paste.
- Using soap solution and a cotton bud, write a secret message. Make colourful designs with a tooth prick or a cotton bud.

(ii) Create your own red rose juice indicator by using fresh petals of red rose.

- Boil red rose petals in warm water to extract the pigment. Test solutions with turmeric and red rose indicators

- Dip turmeric strips and drop red rose indicator juice into different household liquids.

- Record the color changes in a table format in an assignment folder.

You can complete your Project by answering the following question:

1. Which substances turned turmeric paper red? What does that tell you about them?
2. Which household item showed no change with any indicator? What does that mean?
3. Which natural indicator was the most colorful? Why do you think so?
4. What happens when you mix vinegar and baking soda? What is formed?
5. How can you use this knowledge to treat an ant bite or indigestion?

SUB: SOCIAL SCIENCE (PROJECT WORK)

A Project on Environmental Degradation for Class VII (2025-26)

Environmental degradation has become a common concern for the mankind over the past few decades. Examine its causes, impacts and measures to save our natural environment. Write a detailed report in about 500 words on the subject keeping the following key points to the centre:

1. **The primary causes of environmental degradation are**

- (a) Urbanization,
- (b) Population and Economic Growth,
- (c) Increase in Energy Consumption and
- (d) Agricultural Intensification.

2. **The degradation has adverse impacts on**

- (a) Humans
- (b) Plants,
- (c) Animals and
- (d) Micro-organisms.

3. **Measures to Save our Environment:**

- (a) Recycling water
- (b) Renewable Energy
- (c) Habitat Model
- (d) Organic Garden

4. **Conclusion**

5. **Bibliography**

COMPUTER

Answer the Following:-

- Q 1. Explain the use of computers in the field of education?
- Q 2. What do you mean by Artificial Intelligence? Explain the various fields where AI is used.
- Q 3. What do you mean by Cloud Computing? Give example.
- Q 4. Define –
a. Input Devices b. Output Devices c. CPU d. Monitor e. ALU
- Q 5. Write CEO and Head Quarters of the following tech giant companies
a. Google b. Face book c. Apple d. Twitter e. Microsoft
- Q 6. What are threats to Computer?
- Q 7. Explain the functional components of Computer System.
- Q 8. What do you mean by Operating System? Write the functions of Operating System.
- Q 9. What is difference between GUI and CUI?
- Q 10. What do you mean by E-Commerce? Give the example of E-Commerce Web sites.

Project

Q 8. Write a Project Report on the Topic **Motherboard of the Computer System**.

The Report should cover the different parts of Motherboard such as SMPS, Memory, Processor etc and their functions of Motherboard.

(Note: Design the Project on Chart Paper OR A4 size paper OR Ms PowerPoint)