

NEW ERA PUBLIC SCHOOL

Holiday Homework (2026–27)

Subject: English

Q1. Choose any fictional character — from a popular book, film, or story. Write their resignation letter from the story they belong to, explaining why they are quitting the plot. Present as a formal letter with a decorative border on A3 sheet.

Q2. Pick any two proverbs from the below mentioned. Prove them wrong. Write a short argument (8–10 lines) on A3 sheet explaining why the proverbs are bad advice, with at least one real-life example. Illustrate your counter-argument.

A smooth sea never made a skilled sailor. (Roll no. 1–6)

The pen is mightier than the sword. (Roll no. 7–12)

Not all that glitters is gold. (Roll no. 13–18)

A tree is known by its fruit. (Roll no. 19–24)

Don't bite the hand that feeds you. (25-30)

Don't count your chickens before they hatch. (31-36)

Two wrongs don't make a right. (37-42)

When in Rome, do as the Romans do. (43-45)

ART-INTEGRATION PROJECT

Q3. Create an 8-panel comic strip on chart paper following a student or tourist spending one day in Sikkim. Each panel must have a drawing, and dialogue that talks about Sikkim and its culture (include places, historical events, food, famous people, etc.).

Happy Vacations! □

ग्रीष्मावकाश गृहकार्य (2026-27)

कक्षा-दसवीं

विषय-हिंदी

प्रश्न-१ ततारा वामीरो कथा' में वर्णित अंडमान की लोक-संस्कृति और आज के आधुनिक अंडमान में क्या परिवर्तन आए हैं? चित्र, मानचित्र व जनजातीय जीवन के उदाहरणों सहित तुलनात्मक परियोजना तैयार कीजिए।



प्रश्न- २ 'हरिहर काका' पाठ की किसी एक घटना को आधार बनाकर एक समाचार रिपोर्ट (150 शब्द) लिखिए एवं घटना से संबंधित चित्र लगाएँ।

*शीर्षक, स्थान, तिथि और निष्पक्ष भाषा का प्रयोग करें।

दैनिक जागरण

दिनांक	अभिलेख	लंबाई	पृष्ठ सं.	रिपोर्ट	शुद्धि	शुद्धि दर	शुद्धि	शुद्धि	शुद्धि
1,662,220	461,339	157,053	7,540	3,017	143%	903			
101,683	18,255	15,970	248	80	136%	14			
375,093	26,777	55,668	677	192	246%	26			

दिल्ली में जमातियों ने बिगाड़े हालात

नए 183 मामलों में 154 जमातियों... दिल्ली में भी 327 जमातों ने बिगाड़े हालात

584

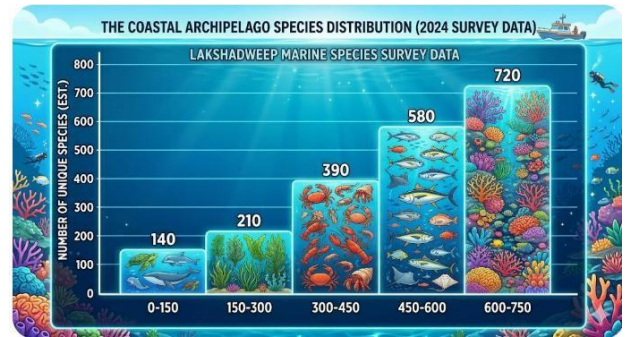
निर्देश:

दोनों प्रश्नों की प्रस्तुति को रचनात्मक और कलात्मक रूप में सजाएँ - चित्रों, शीर्षकों और रंगों का उपयोग कर सकते हैं। यह एक एल्बम या प्रोजेक्ट फोल्डर के रूप में बनाएँ ।

Holiday Homework (2026-27)
Subject: Mathematics

(A) PROJECT (To be done on A4 size sheets)

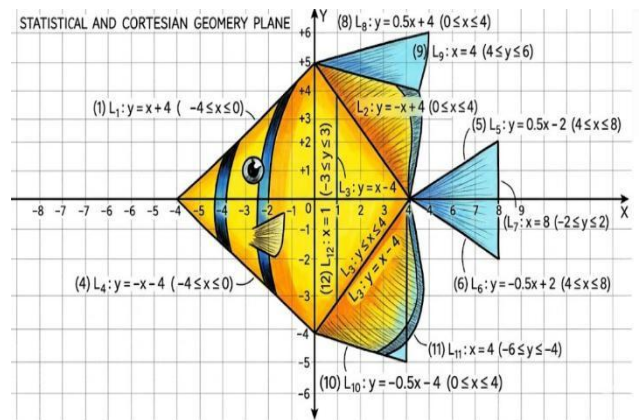
- Task 1:** Lakshadweep is the smallest Union Territory of India located in the Arabian Sea. Lakshadweep's "Export" is primarily Tuna fish and Coir products. The average annual fish catch is 21,000 to 25,000 tonnes. Collect the data representing the output value of marine fish produced in the UT taking financial year from 2015-16, 2016-17..... till 2023 – 24. Construct a histogram from the data you have collected using appropriate scale. Make your histogram attractive by drawing various aquatic animal and plants in bars. This task aligns with **SDG 8 (Decent Work and Economic Growth)** by achieving higher levels of economic productivity through diversification.



On the basis of the information collected, answer the following questions:

- Q1. What is the Mean annual output value of Lakshadweep's marine fisheries from 2015 to 2024?
- Q2. What was the Percentage Increase in output value between 2015 and 2024?
- Q3. If the total fish landing in 2022 was 12,000 metric tonnes and the output value was ₹2,890 million, calculate the value per tonne. Compare this with the value per tonne in 2015.

Task 2: The seas of Lakshadweep are home to marine animals like sea turtles, dolphins, reef fish, and corals. On the coordinate plane, plot the following linear equations in two variables using at least three ordered pair solutions. **Butterfly fish** are a common feature of the coral reefs in this region, which boast a rich biodiversity of these fish. Use the following equations to draw a butterfly fish on the graph paper and answer the following questions given below.



$$y = x + 6, y = -x + 6, y = x - 6,$$

$$y = -x - 6, y = \frac{-x}{2} + 2,$$

$$y = \frac{-x}{2} + 2, x = 8, y = 0.5x + 4, x = 4,$$

$$y = -0.5x - 4, x = 4, x = 1$$

- Color the fish with geometrical patterns.
- Draw coral reefs and sea waves in the background.
- Add bubbles and other animals around the fish.
- Use symmetry-based designs on the shell.

This task aligns with **SDG 14(Life Below Water)**, focusing on conserving and sustainability using ocean, seas and marine resources.

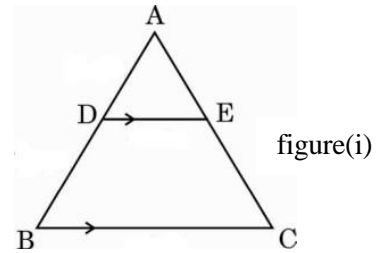
B. Assignment (To be done in Mathematics Set B register)

Q1. Two numbers are in the ratio 2 : 3 and their LCM is 180. What is the HCF of these numbers?

Q2. If α and β are the zeroes of the quadratic polynomial $f(x) = kx^2 + 4x + 4$ such that $\alpha^2 + \beta^2 = 24$, find the value of k .

Q3. Show that $5 + 3\sqrt{2}$ is an irrational number when it is given that $\sqrt{2}$ is an irrational number.

Q4. In figure(i), $\frac{AD}{BD} = \frac{AE}{EC}$ and $\angle BDE = \angle CDE$, prove that ΔABC is an isosceles triangle.



Q5. Find the area of the triangle formed by $\frac{x}{a} + \frac{y}{b} = 1$ with the coordinate axes.

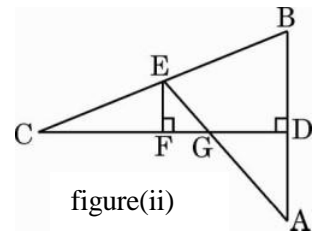
Q6. Find the zeroes of the polynomial $p(x) = 4x^2 + 24x + 36$ and verify the relationship between the zeroes and the coefficients.

Q7. If α and β are the zeroes of the polynomial $ax^2 - 5x + c$ and $\alpha + \beta = \alpha\beta = 10$ then find the values of a and c .

Q8. Write a pair of linear equations which has the unique solution $x = -1, y = 3$. How many such pairs can you write?

Q9. If α and $(1 + \alpha)$ are the zeroes of the quadratic polynomial $6x^2 + 11x - (k - 2)$, find the value of k .

Q10. In figure(ii), CD is the perpendicular bisector of AB and EF is perpendicular to CD . AE intersects CD at G . Prove that $\frac{CF}{CD} = \frac{FG}{DG}$



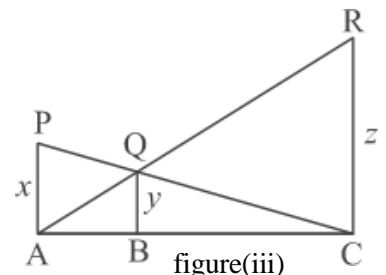
Q11. The sum of the digits of a two-digit number is 9. The number obtained by reversing the order of digits of the given number exceeds the given number by 27. Find the original number.

Q12. Find the value of k for which the system of linear equations $2x + 5y = 3$, $(k + 1)x + 2(k + 2) = 2k$ has infinitely many solutions.

Q13. A man wished to donate some money to a group of poor people. He decided to give ₹ 120 to each person and found that he fell short of ₹ 60, when he wanted to give to all the people present. He, therefore, distributed ₹ 90 to each person and found that ₹ 90 was left over. How much money did he have and how many people were there?

Q14. In figure(iii), PA, QB and RC are perpendicular to AC . If $AP = x$, $BQ = y$ and $CR = z$ then prove that $\frac{1}{x} + \frac{1}{z} = \frac{1}{y}$.

Q15. A forester wants to plant 66 apple trees, 88 banana trees and 110 mango trees in equal rows (in terms of number of trees). Also, he wants to make distinct rows of trees (i.e., only one type of trees in one row). Find the number of minimum rows required.



Holiday Homework (2026–27)
Subject: Science

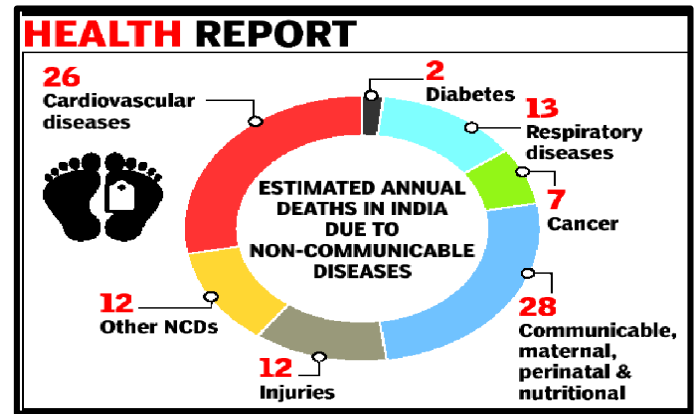
General instructions

1. There are two sections Part A and Part B. Both are compulsory.
2. Part A is a Research Based Project
3. Part B is an assignment

Part A (To be done in scrap file)
Project on Lifestyle and Non-Communicable Diseases
based on Andaman and Nicobar Islands

Introduction:

Lifestyle and non-communicable diseases (NCDs) such as diabetes, heart disease, cancer, chronic respiratory diseases, and hypertension are increasing rapidly in India. This rise is mainly due to unhealthy eating habits, lack of physical activity, increased stress, tobacco use, alcohol consumption, and growing urbanization. Today, NCDs account for nearly 63% of all deaths in India, compared to about 40% in 2000, showing a significant increase over the past two decades. These diseases often develop slowly and can affect a person's quality of life, productivity, and financial stability.



Prepare a project report from the following diseases with special focus on Andaman and Nicobar Islands:

Roll number 1 to 15: Tuberculosis (TB).

Roll number 16 to 30: Cancer.

Roll number 31 and above: Heart Attack / Cardiovascular Disease

Details of the Project

1. **Introduction:** Specify the meaning and definition of the disease. Why it is considered a major health concern. Importance of studying this disease.
2. **Provide statistical data** about the % (percentage) increase in the cases over the last 10 years from 2016 to 2026. Present the data using bar graph, line graph, pie chart.
3. **Specify the causes and risk factors of the assigned disease.**
4. **Identify and specify symptoms of the assigned disease.**
5. **Elaborate the impact of the diseases on an individual like:**
 - Physical Impact
 - Emotional and Psychological Impact
 - Social Impact
 - Economic Impact like cost of treatment and long-term care
6. **Provide information about the Recent Advancements in Treatment of the disease**
7. **Comparative Study:** Compare Andaman and Nicobar with Delhi based on the give Comparison Parameters: Number of cases, Mortality rate, Healthcare facilities, Access to treatment, Present this comparison in the form of a table.
8. **Preventive Measures:** Specify how these diseases can be prevented.

9. Conclusion

- Key findings from the project
- What you learned
- Importance of prevention and awareness

10. Bibliography

Books, Newspapers/Magazines, Medical journals, Reliable websites (WHO, ICMR, CDC, etc.)

Important Note:

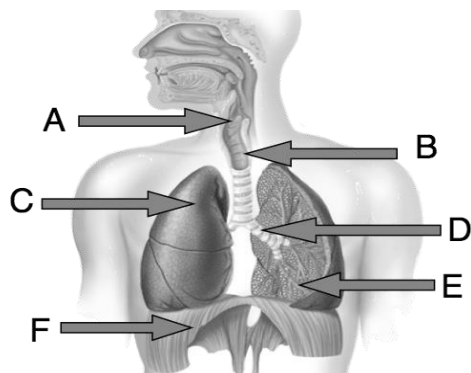
- Submit in a well-decorated scrap file.
- Use colored charts/graphs for better presentation.
- Ensure all information is authentic and up to date.
- Write the project in your own words.
- Attach photographs wherever relevant.
- Complete the project before the reopening of school.

Part B

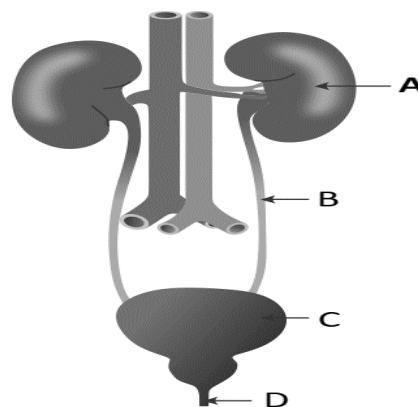
Assignment (To be done in the notebook)

1. Label the following diagrams:

A.

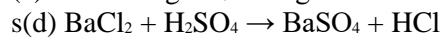
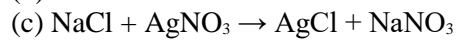
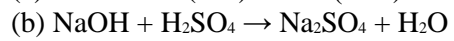
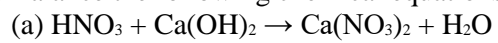


B.



2. Write the functions of the following
a. Salivary amylase b. Nephrons c. Alveoli d. Phloem e. Lymph
3. Give reasons for the following:
a. Diffusion is not sufficient for multicellular organisms.
b. Numerous villi are present in the small intestine.
c. Rate of breathing is faster in aquatic organisms than those of terrestrial organisms.
d. Glomeruli are considered as dialysis bags.
e. Veins have valve present in them.
4. What is meant by combination and decomposition reactions? Give suitable example for each.
5. In electrolysis of water, why is the volume of gas collected over one electrode double that of the other electrode?
6. What are precipitation reactions? Give suitable example.
7. How is the amount of urine formed regulated?
8. Differentiate between endothermic and exothermic reactions.
9. What happens when an iron nail is put in a copper sulphate solution? Explain with the help of balanced chemical equation.

10. Balance the following chemical equations:



Holiday Homework (2026-27)
Subject: Social Science

Prepare a project with the following details:

1. The total length of the project should not be more than 18 – 20 pages.
2. The project should be developed and presented in this order
 - a) **Cover page** showing project title, student information, school and year.
 - b) **List of contents**
 - c) **Certificate page**
 - d) **Acknowledgements** (acknowledging the institution, offices and libraries visited and persons who have helped).
 - e) **Summary and conclusions** based on findings.
 - f) **Bibliography**: should have the Title, author, publisher and if a website, the name of the website with the specific website link which has been used.

Marks Distribution

Total Marks will be allocated over the different aspects of the Project Work in the following manner:-

<u>S.NO.</u>	<u>ASPECTS</u>	<u>(Marks)</u>
1	Content accuracy and originality and analysis	2
2	Presentation and creativity	2
3	Viva or written test for content assimilation	1
	Total Marks for one project	5

Suggested Projects [Choose any one topic]

Consumer Awareness:



A consumer has the right to have information about the quality, potency, quantity, purity, price and standard of goods or services. Have you come across “Jago Grahak Jago” advertisements on TV or radio to create awareness as consumers get exploited in many ways? The idea behind this project is to get familiarized with the rights and duties as a consumer and legal measures available to protect from being exploited in the market.

The content must cover the following:

- Meaning of Consumer Awareness
- Forms of Consumer Exploitation / Malpractices
- Factors causing exploitation of the Consumers
- Rights and Duties of the Consumers
- Consumer Protection Measures
- Relevant case studies (any two)

OR

Social Issues



Social issues are recognized by society as a problem that is preventing society from functioning at an optimal level. Prepare a project on any three of the following social evils still prevailing

in our society; highlighting the reasons, effects and suggest solutions to get them eliminated from our country-

- Poverty
- Illiteracy
- Corruption
- Gender Inequality
- Inflation, hoarding.
- Domestic violence against women and child abuse.

OR

Sustainable Development



Sustainable Development calls for a rethink as the impact will be worrisome on mankind. This challenging situation in the present calls for an immense learning opportunity for the entire human race in the future.

Based on the current scenario, prepare a project on the following challenges faced by a country like India:

- Responsible production and consumption (efficient management of resources, ensuring food security, reducing food wastage and other relevant details)
- Marginal and vulnerable groups like migrant workers. (economic and social consequences) and how it affects them.
- Water usage and the wastage of this precious resource and its long term effects for domestic, industrial, and agricultural use in the future.
- Air pollution and its long term effects on human beings.
- Long term solutions to the above problems must be highlighted.

- What concerted efforts can be taken by the present generation to overcome the aforesaid challenges?

Holiday Homework (2026-27)
Subject : Computer Applications (165)

Part A: Practical Assignment – Complete the following tasks in the computer and submit the coloured print outs along with the output:

Part B : HTML Assignment

Part A

1. Create a definition list to define any 3 computer-related terms. Use <dl>, <dt>, and <dd>

Example terms:

- HTML
- CSS
- Browser

2. School Information Page

- Add a heading with your school's name
- Add a paragraph describing your school
- Use background color, font styles, and alignment

3. Timetable Page

- Create a time-table of your class using an HTML table
- Add border, bordercolor, cellspacing , cellpadding where needed.

4. Create an unordered list showing your top 5 favorite foods.

- Use and
- Use type attribute (like type="square")

Example output:

- Pizza
- Burger
- Noodles
- Biryani

5. Make a creative section showing:

- Your hobbies as a main ordered list
- Under each hobby, use an unordered list to show items or tools needed

Example:

1. Painting

- Brushes
- Canvas
- Paint

2. Reading

- Books
- Bookmark
- Reading light

6. Create a nested list showing different subjects and their topics.

- Outer list can be or
- Inner lists must be inside elements

Example structure:

- Science
 - Physics
 - Chemistry

- Math
 - Algebra
 - Geometry
 - Trigonometry

7. Create an HTML table to display the marks of 5 students in 3 subjects.

Example Layout:

Name	English	Math	Science
Amit	85	90	88
Riya	78	92	84
Mohan	88	87	91
Sneha	93	89	95
Rahul	76	85	80

Tags to use: <table>, <tr>, <th>, <td>

8. Create a photo gallery of your childhood with minimum 10 images.

Part B: Write the answers of the following questions in the register.

1. What is the Internet? Explain any two services it offers.
2. Define the following terms:
 - Web Server
 - Web Client
 - Website
 - Web Page
 - Web Browser
3. Differentiate between web page and web site.
4. Explain the use of HTML in web development.
5. Draw the basic structure of HTML.
6. What do you understand by downloading and uploading?
7. Write full forms and uses of the following Internet protocols:
 - TCP/IP
 - SMTP
 - POP3
 - HTTP
 - HTTPS
 - SSH
 - FTP
8. List any five services available on the Internet.
9. Explain the use of e-Governance and e-Learning.
10. Define 3G, 4G, SMS, and MMS in the context of mobile technologies.
11. Differentiate between and .
12. What is the use of , <I>, <U> tags? Explain with example.
13. What is the purpose of the <table> tag?
14. Explain the difference between container and empty tags. Give examples.

Holiday Homework (2026–27)

Subject: Painting

To make your vacation creative and productive, you are assigned the following Holiday Homework for Painting. Complete all work neatly, creatively, and submit it on time.

A) THEORY WORK (REGISTER WORK)

Write detailed notes in your register on the following chapters.

Chapter – 1: Fundamentals of Painting

topics. Paste suitable pictures/illustrations related to each topic.

The Elements of Art

1. Point
2. Line
3. Shape and Form
4. Colour (Primary, Secondary, Tertiary)
5. Texture
6. Space

Chapter – 2: Principles of Art

- Six Limbs of Indian Art

1. Rupa Bheda
2. Pramanam
3. Bhava
4. Lavanya Yojanam
5. Sadrisyam
6. Varnika Bhanga

- Principles of Art

1. Balance
2. Emphasis
3. Rhythm / Movement
4. Proportion
5. Variety
6. Harmony / Unity

B) PRACTICAL WORK (A3 SIZE ART FILE)

Instructions for Practical Work:

- All artworks must be neatly presented.
- Properly colour - completed.

Use suitable medium (Poster Colour / Water Colour / Pencil Shading / Mixed Media) and complete the following in your A3 Size Art File:

1. Still Life Drawing 1Page – Poster Colour

2. Object Drawing – 1 Page Pencil Shading
3. Landscape Drawing and Painting 2 Different
4. Fruits and Vegetables Study 1 Page
5. Abstract Landscape Painting 2 Different
6. Painting from Memory – Fully Coloured Composition 2 Different

SUBMISSION INSTRUCTIONS

- Theory Work: Complete in Register with notes and photo pasting.
- Practical Work: Complete in A3 Size Art File with full colour work.
- Submit all homework on the first day after vacation.

Holiday Homework(2026-27)
Hindustani Vocal

निम्नलिखित का अंतर्संबंध:

- A. संगीत और धर्म
B. संगीत और सिनेमा
C. संगीत और इलेक्ट्रॉनिक मीडिया
D. संगीत में भक्तिमय पहलू
E. कलाओं का अंतर्संबंध (संगीत - नृत्य, रंगमंच या दृश्य कला)

उपरोक्त विषयों में से किसी एक विषय पर प्रोजेक्ट बनायें ।

Holiday Homework (2026-27)
Hindustani Music – Percussion Instruments (tabla)

निम्नलिखित विषयों में से किसी एक विषय पर 4 से 5 पृष्ठों की एक सुंदर परियोजना फ़ाइल तैयार कीजिए –

1. संगीत और धर्म का अंतरसंबंध
2. संगीत और सिनेमा का अंतरसंबंध
3. संगीत और इलेक्ट्रॉनिक मीडिया
4. संगीत के भक्तिमूलक पक्ष
5. कलाओं का अंतरसंबंध
(संगीत – नृत्य / रंगमंच / दृश्य कला)

-
- परियोजना फ़ाइल रंगीन एवं आकर्षक होनी चाहिए।
 - फ़ाइल में विषय से संबंधित चित्र, बॉर्डर एवं सजावट का प्रयोग करें।
 - लेखन साफ़ एवं सुंदर होना चाहिए।
 - परियोजना हस्तलिखित (Handwritten) होनी चाहिए।

Holiday Homework (2026-27)
Artificial Intelligence (417)

Q1. Activity: Create an Informative Poster on an AI Tool

Question:

Each student will create an **A3 size informative poster** on the AI tool allotted according to their **Roll Number Range**. Students may use free online design tools such as Canva, Adobe Express, or Microsoft Designer to create their posters. Sample attached.

Your poster should include:

- Name of the AI Tool
- What the tool does (in 3–4 simple points)
- How it is useful in daily life or education with example
- 1–2 images or diagrams
- *Advantages and Limitations of this AI Tool*
- A short slogan or tagline

Instructions:

- Use **simple and clear language**
- Make the poster **neat, colorful, and creative**
- Do not copy directly from the internet; write in your own words
- Submit your work after the holidays

Roll Number Range Wise Topics

Roll Number	AI Tool Topic
1–5	ChatGPT
6–10	Perplexity AI
11–15	Grammarly
16–20	Google Assistant
21–25	Siri
26–30	Microsoft Copilot
31–35	Gemini AI
36–40	Canva AI
41–45	Google Translate

Break Language Barriers with Google Translate

One World... Many Languages... One Translator!

Google Translate is a free AI-powered tool by Google that helps us understand and translate text, speech, images and websites from one language to another.

WHAT DOES GOOGLE TRANSLATE DO?

- Translates text between more than 100 languages.
- Translates spoken words (voice input).
- Translates text from images using the camera.
- Translates websites and documents.
- Helps in real-time conversations (Conversation mode).

HOW IS IT USEFUL?

- Helps students understand lessons, books and study materials in other languages.
- Helps while traveling – read sign boards, menus, maps and instructions.
- Helps in communication with people who speak different languages.
- Helps in reading and understanding news, articles and websites from around the world.

REAL-LIFE EXAMPLE

Riya is visiting Spain. She doesn't know Spanish well. She uses Google Translate to translate her questions and understand the answers easily. It helps her explore and enjoy her trip without any language problem!

ADVANTAGES

- Free and easy to use
- Supports 100+ languages
- Text, voice, image and website translation
- Helps in learning new languages
- Works on mobile and computer
- Saves time and makes work easy

LIMITATIONS

- Sometimes translations are not 100% accurate
- Depends on internet connection
- May not understand complex sentences or slang
- Does not understand the context perfectly
- Privacy issues for sensitive information

SLOGAN

"Understand More, Talk More, Connect More!"

GOOGLE TRANSLATE – YOUR POCKET LANGUAGE PARTNER!

Q2. Write python program to:

- i. Count the number of vowels in a given string.
- ii. Write a program to add the elements of the two lists.
- iii. Check whether a number is even or odd using if-else.
- iv. Calculate the sum of numbers from 1 to N.
- v. Find the largest of three numbers using if-elif-else.
- vi. Print all even numbers between 1 and 50 using a loop.
- vii. Check if a number is divisible by 5.
- viii. Print the square of numbers from 1 to 10.
- ix. Print all numbers divisible by 3 between 1 and 60