SCIENCE

- 1. Study the formation of images by both sides of a large shining spoon
- 2. Draw Ray diagrams for showing the formation of images by a concave mirror for various positions of object on its principal axis. Also discuss the nature and position of image in each case
- 3. List uses of concave and convex mirrors

II 1. Draw diagram which shows the change in colouration of a compound during the chemical reaction. Label and write the balanced chemical equation

- 2. Show the pictorial representation of the electrolysis of water
- 3. Write the chemical formula and name the compound in Unit 1
- **III. POWER POINT PRESENTATION**
- **UNIT-Our environment**
- **TOPIC : Protect Ecosystems , Preserve life**

PM SHRI KENDRIYA VIDYALA CLRI, ADYAR, CH-20

CLASS 10 HOLIDAY HOME WORK 2025-26

HINDI

प्रश्न 1. 'पर्यावरण संरक्षण' विषय पर 30-40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए ।

प्रश्न 2.अपना पोर्टफोलियो तैयार करें।

प्रश्न 3. महाकवि सूरदास पर एक प्रोजेक्ट फाइल तैयार करें।

SANSKRIT

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दशमकक्षायाः कृते परियोजना कार्यम्
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1-"गुरु" कः ?

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छात्राणां आकार प्रदाने तेषां भूमिका लिखत ।
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2- इतिहासपुराणादि नीतिशतकम् विदुर नीति इत्यादीनि नैतिकग्रन्थानां उद्धरणं गृहीत्वा संस्कृते व्याख्यातव्यम्।

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A4 पत्रे न्यूनतमं 2 पृष्ठानि।
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3- प्रथम पाठस्य श्लोकानां एकं चार्ट निर्मीय तस्मिन् विषये अर्थपूर्ण वाक्यानि लिखत
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For X th Std

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Who is a "Guru".
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His role in shaping up the students.

Pl. Explain in Sanskrit taking quotations from Itihasa PuraNa and other moral works such as Niti Satakam Vidura Niti etc.

Min 2 pages in A4 sheet.

PM SHRI KV CLRI CH

SUMMER BREAK HOLIDAY HOMEWORK for CLASS-10th

SUBJECT-MATHS

- 1. Using prime factorization method: find the HCF and LCM of 72, 126 and 168.
- 2. Given that LCM(91,26)= 182 then HCF (91,26) is.....
- 3. Why 5x7x11+7 is a composite number?
- 4. Why the number 4^n , where n is a natural number, cannot end with 0?
- 5. The HCF and LCM of two numbers are 12 and 240 respectively. If one of these numbers is 48. Find the other number.
- 6. Prove that $\sqrt{7}$ is irrational number?
- 7. Find a quadratic polynomial whose one zero is 6 and sum of the zeroes is 0.
- 8. Find the zeros of P (z) = z^2 -27 and verify the relationship between zeroes and coefficients.
- 9. If α and β are the zeroes of $x^2 + 7x + 12$, then find the value of $\frac{1}{\alpha} + \frac{1}{\beta} + 2\alpha\beta$.
- 10. Find a quadratic polynomial whose zeroes are $3 + \sqrt{5}$ and $3 \sqrt{5}$.
- 11. If the sum of the squares of zeros of the polynomial $6x^2 + x + k is \frac{25}{36}$, find the value of k.
- 12. Find the zeroes of the quadratic polynomial $2x^2 + 7/2x + \frac{3}{4}$ and verify the relation between the zeros and its coefficients.
- 13. Find zeros of $x^2 + 7x + 10$ and verify the relationship between the zeros and the coefficients.
- 14. If zeros of $p(x) = 2x^2-7x+k$ are reciprocal of each other then find k.
- 15. Solve those of the following systems of linear equations by substitution method, which have a unique solution. For others, state whether there is no solution or there are infinitely many solutions:
- (i) 4x+6y=9, 2x+3y = -11 (ii) 3x+2y=8, 2x-3y=1 (iii) x-2y=5, 2x-4y=10
 - 16. Solve for x & y: 148x + 231y = 527, 231x + 148y = 610.
 - 17. Solve those of the following systems of linear equations **graphically** which have a unique solution. For others, state whether there is no solution or there are infinitely many solutions:
 - (i) x-4y+14=0, 3x+2y-14=0 (iii) x+y=3, 2x+5y=12
 - (ii) 3x-5y+1=0, 2x-y+3=0 (iv) 2x+7y=14, 5x+35/2y=25
 - 18. Draw the graphs of the equations 4x-y=4, 4x+y=12Determine the vertices of the triangle formed by the lines representing these equations and the x-axis. Shade the triangular region so formed.
 - 19. Determine the vertices of the triangle formed by the lines representing the equations x + y = 5, x y = 5 and x = 0.

PM SHRI KV CLRI, CHENNAI SUMMER BREAK ASSIGNMENT CLASS- 10 SUBJECT – ENGLISH

Q 1 Read the following passage and answer the following questions.

Arun, a dexterous artisan specializing in carpentry, has been conducting his own woodworking enterprise for the preceding decade. Possessing a discerning eye for intricate details and an ardent enthusiasm for craftsmanship, he has cultivated a formidable reputation for fashioning exquisite furniture pieces that seamlessly amalgamate functionality with artistic flair. His workshop is a proliferating hub of industrious activity, where he and his cohort of dedicated artisans meticulously metamorphose raw materials into masterpieces of unparalleled elegance.

Contrastingly, Priya, a software engineer, is employed by a preeminent technology firm. She dedicates her days to coding and developing innovative applications that facilitate the simplification of various facets of contemporary life. Her analytical acumen and adept problem-solving prowess are invaluable assets in an industry that perpetually pushes the boundaries of what is deemed feasible.

Juxtaposed against this, Rahul is an impassioned chef who owns a quaint, cozy restaurant nestled in the heart of the city. His culinary creations are a harmonious fusion of flavors, textures, and cultural influences. Rahul's unwavering dedication to sourcing fresh, locally-cultivated ingredients and his steadfast commitment to customer satisfaction have garnered him a loyal following of food enthusiasts.

- i. Elucidate Arun's profession, and what distinguishes his work from others in the field.
- ii. Delineate Priya's role and the industry in which she is employed.
- iii. How does Rahul's restaurant stand apart from its contemporaries, and what are his culinary values that contribute to its uniqueness?
- iv. Which of the following adjectives best encapsulates the essence of Arun's furniture pieces?a) Ordinary b) Exquisite c) Dull d) Uninspired
- v. Priya's skills are particularly valuable in the _____ industry.a) Hospitality b) Manufacturing c) Technology d) Agriculture
- vi. Rahul's restaurant is known for: a) Fast food b) Fusion cuisine c) Molecular gastronomy d) Buffetstyle dining
- vii. Which of the following qualities is essential for Priya's line of work?a) Physical strength b) Artistic talent c) Analytical mind d) Culinary expertise
- viii. Arun's workshop is a proliferating _____ of activity, where raw materials are transformed into masterpieces.
- ix. Rahul sources fresh, _____ ingredients for his culinary creations.
- x. Choose the correct meaning of the word "exquisite" as used in the passage.a) Common b) Ordinary c) Extremely beautiful and delicate d) Rough

Q 2 You are Riya/Rohit, residing at 25 Park Street, Delhi. The compound wall of the park facing your house is in a dilapidated condition and poses a safety hazard, especially for the children playing in the area. Write a formal letter to the Municipal Commissioner of your city, drawing their attention to the issue and requesting immediate repairs/reconstruction of the wall.

Your letter should include the following details:

- 1. A clear description of the problem and its potential consequences.
- 2. The specific location and surroundings of the affected area.
- 3. A polite and logical request for prompt action from the authorities.
- 4. Any other relevant details or suggestions you wish to include.

Notes:

- The letter should be written in a formal tone and structure.
- Appropriate salutation, subject line, and complementary closing should be used.
- Word limit: 150-200 words.

Q 3 You are Aman/Amrita, a student of Class 10 at ABC Public School, Delhi. Your school has recently organized a donation drive to support the education of underprivileged children in a nearby village. Write an email to the Principal of your school, sharing your thoughts and suggestions on making the drive more effective and impactful.

In your email, you should include the following points:

- 1. A brief introduction about the purpose of your email.
- 2. Your appreciation for the school's initiative and its potential impact.
- 3. Suggestions for promoting the drive more effectively among students and parents (e.g., using social media, organizing fundraising events, etc.).
- 4. Ideas for involving the local community and businesses in the donation drive.
- 5. Any other relevant points or recommendations you wish to include.

Notes:

- The email should follow a appropriate format, including a subject line, salutation, and complementary closing.
- Use a polite and respectful tone throughout the email.
- Word limit: 150-200 words.

Q 4 Fill in the blanks with suitable modals (can, could, may, might, must, should, would, etc.):

- 1. You ______ submit your project report by tomorrow.
- 2. If you work hard, you _____ achieve your goals.
- 3. I _____ lend you my notes, but you _____ return them by Monday.
- 4. _____ you please speak a little louder? I _____ not hear you clearly.
- 5. It _____ rain later today, so you _____ carry an umbrella.

Q 5 Choose the appropriate determiners from the options given in brackets:

- 1. I have bought _____ (a/an/the) new book for my English class.
- 2. _____ (This/These/Those) mangoes are ripe and delicious.
- 3. _____ (Few/A few/The few) students attended the lecture today.
- 4. We went to _____ (a/an/the) beach last weekend.
- 5. _____ (Many/Much/Few) people enjoy reading novels.

NOTE :

- 1. Answers to be written on A4 size page in neat handwriting.
- 2. Write your Name and Roll No on the top.
- 3. Complete and Revise Literature syllabus covered till date.

PM SHRI KV CLRI SUMMER VACATION HOME WORK

CLASS X SOCIAL SCIENCE

Instructions for Students

Project Title: Role of Technology and Social Media in Disaster Management

1. The project must be done on A4 size sheets only.

2. The report should have a minimum of 10 pages of content (excluding Cover Page, Index, and Rubric Sheet).

3. The project can be either handwritten or printed.

4. Pictures must be pasted or printed wherever necessary to support the content.

5. Only hardcopy of the project will be accepted.

6. The final project must include the following sections:

Cover Page

Index

Introduction

Role of Technology in Disaster Management

Role of Social Media in Disaster Response

Case Studies (Examples from India or other countries)

Advantages & Challenges

Conclusion

Bibliography: list of the sources (books, websites, articles, etc.) that you used or referred to while preparing your project.

Rubric Sheet (at the end)

1	Content Accuracy, Originality & Collaborative	4 Marks
	Efforts	
2	Competencies Exhibited & Presentation	4 Marks
3	Viva	2 Marks

7. Be prepared for a viva based on your project content.

Note: Maintain neatness, clarity, and proper structure throughout the project.