

SUMMER HOLIDAY

HOME WORK

CLASS X

SESSION: 2024-2025

STUDENT NAME: _____

ROLL NO: _____

Summer Vacation is probably the best time of the year for you all; it's time for loads of fun, though we can't go out but getting pampered to no end and of course bonding with distant cousins can be done virtually.

School is fun too, with learning happening at all times, summer vacation can also be a time for learning with lots of activities around.

Here are a few tasks for you to complete during the vacation. Do remember to complete the given tasks after reading them carefully.

Some Tips to make this holiday special:

- Have a family dinner every day of the holidays.
- Play board games with your parent and sibling and show them who is the smartest.

Spend some quality time with an elderly person in the family



Some useful tips for summer vacation

Do's

- ❖ Eat a nutritious diet with plenty of water. Include citrus fruits (orange, lemon, grapefruit) and vegetables which are rich in vitamin C, vitamin D containing foods (cheese, egg yolks) and zinc-containing foods (legumes, lentils, beans, and nuts).
- ❖ Wash your hands frequently, always with soap and water for at least 20 seconds or frequently use alcohol-based hand rub.
- ❖ Wear light cotton clothes.
- ❖ Protect yourself and others.
- ❖ Be a leader in keeping yourself, your school, family and community healthy.
- ❖ Cough and sneeze into a tissue or your elbow and avoid touching your face, eyes, mouth and nose.
- ❖ Share what you learn about preventing disease with your family and friends, especially with younger children.



Don'ts:

- ❖ Do not share cups, eating, utensils, food or drinks with others.
- ❖ Do not have close contacts with a sick person.
- ❖ Do not participate in large gatherings.
- ❖ Do not touch your face, nose and eyes without washing hands.
- ❖ Don't dirty your place of living.
- ❖ Don't have junk food.
- ❖ Don't watch too much TV and other electronic gadget (Mobile, Laptop etc)
- ❖ Don't waste time being lazy.

ENGLISH:

1. Write three poems on Nature with explanation and about their poets and the lesson learned from it. & learn the poetic devices and their uses
2. Write a scary story.
3. What is one gadget or material item that you can't live without? Why?
4. How would you feel if you had to get up and sing in a room full of people? What would you do?
5. Write a letter to the editor of the newspaper complaining against the menace of street dogs in your locality
6. You are Amar / Sheela, a student of T.D Public School, Delhi. You are concerned about the water logging in your area during rainy season. Write a letter to the editor of a newspaper highlighting the need to improve the condition of road.
7. You were a part of audience in a debate held in your school on 'Technology, Its effects on modern life'. This set you thinking how the youth of today misuses technology. Write a letter in 150 words to the Editor of a newspaper on the dangers of such misuse and how it can be solved.

HINDI:

- 1 (मौखिकखंड)
काव्य- पाठ 2 (रामलक्ष्मण) भावार्थ , वाच्य की परिभाषा , भेद
- 2 (लिखितखंड)
गद्य- पाठ 12 (लखनवी अंदाज) पाठ्य पुस्तक के प्रश्नोत्तर
- 3 (परियोजना कार्य)
रोल नंबर 1- 8 तुलसीदास (जीवन परिचय) (काव्य)
रोल नंबर 9- 16 यशपाल (जीवन परिचय) (गद्य)
रोल नंबर 17- 24 जयशंकर प्रसाद का जीवन परिचय (काव्य)
रोल नंबर 25-32 सानासाना हाथ जोड़ी (सारांश) (कृतिका)

SCIENCE:

1. Learning about:

- (i) Laws of reflection of light and laws of refraction of light
- (ii) Human Respiratory System
- (iii) Explain Common name, method of preparation, and uses of bleaching powder?

2. Make a Project on: Ozone layer: formation, its importance, causes of depletion, actions to be taken to protect ozone layer

3. Draw the image for concave mirror when the object is placed at focus and at Centre of curvature.
4. A concave mirror has a focal length of 20 cm. At what distance from the mirror should a 4 cm tall object be placed so that it forms an image at a distance of 30 cm from the mirror? Also calculate the size of the image formed.
5. Draw the diagram of human excretory system & Explain the Urine Formation.
6. Explain the types of heterotrophic nutrition.
7. (i) Why does distilled water not conduct electricity, whereas rain water does?
(ii) What is a neutralization reaction? Give two examples.
(iii) Give two important uses of washing soda and baking soda.

COMPUTER APPLICATION:

1. Learn the following protocols:

- | | | | | |
|----------|---------|---------|-----------|---------|
| A) HTTPS | B) POP3 | C) SMTP | D) TELNET | E) FTP |
| F) SSH | G) SSL | H) TCP | I) IMAP | J) ICMP |

2. Learn about the tags of HTML List and Table.

3. How the following types of applications are useful?

E-governance	E-learning	E-groups	E-commerce
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4. Differentiate between the following:

Website and Web page	FTP and telnet	Web Addresses and Email-Addresses
Web portal and websites	Blogs and Newsgroups	Domain and URL

5. Write the main difference between:

Facebook and twitter	CC and BC
SMS and MMS	Container tag and empty tag

6. Write the html code on display any image on the web page using alt attribute.

7. Write the HTML code to generate the following output.


KHAO PIYO RESTAURANT

Collect information for:

- Menus
- Reservation
- Catering
- Tours

Menus Available are:

1	INDIAN
2	ITALIAN
3	CONTINENTAL
4	THAI



For further enquiries and reservations Contact Us.

- Note the following points while generating the Web page:**
- Link color is green, active link color is blue and visited link color is red
 - Title of the page is "Eat healthy live healthy"
 - Heading of the page is maroon
 - Image used is "Restaurant.jpg"
 - Caption of table is blue
 - Table border is blue and of size 2
 - The 4 links are one.html, two.html, three.html, and four.html
 - The email id for contact us is abc@xyz.com

MATHEMATICS:

1- Learn all the basic definitions and concepts used in PT 1 and PT 2 syllabus

2- Learn and write the formulas of curved surface area, total surface area and volume of

CUBE

CUBOID

CYLINDER

CONE

SPHERE

HEMISPHERE

2- Make a project file on Biography of any two of the following mathematicians and also write the contribution made by them in the field of mathematics.

* Shakuntala devi

* Aryabhata

* Bhaskaracharya

* Srinivasa Ramanujam

* Varāhamihira

3. Solve the following pairs of equations by substitution and elimination method.

A- $0.2x + 0.3y = 1.3$

$0.4x + 0.5y = 2.3$

B- $7x + 6y = 3800$

$3x + 5y = 1750$

C- $3x + 4y = 10$

$2x - 2y = 2$

4. Find the zeroes of the following polynomials and verify the relationship between the zeroes and coefficient of the polynomial

$$6x^2 - 3 - 7x$$

$$4s^2 + 8s$$

$$3x^2 - x - 4$$

5 Solve the following

A. 5 pens and 6 pencils together cost ₹ 9, and 3 pens and 2 pencils cost ₹ 5. Find the cost of 1 pen and 1 pencil.

B. Reena has pens and pencils, which together are 40 in number. If she has 5 more pencils and 5 less pens, then the number of pencils would become 4 times the number of pens. Find the original number of pens and pencils.

C. Jamila sold a table and a chair for ₹ 1050, thereby making a profit of 10% on the table and 25% on the chair. If she had taken a profit of 25% on the table and 10% on the chair, she would have got ₹ 1065. Find the cost price of each.

6. Prove that $\sqrt{3}$ is irrational

7. Solve the following quadratic equations

A. The diagonal of a rectangular field is 60 meters more than the shorter side. If the longer side is 30 meters more than the shorter side, find the sides of the field.

B. The sum of the areas of two squares is 468 m^2 . If the difference of their perimeters is 24 m, find the sides of the two squares

C. In a flight of 600 km, an aircraft was slowed due to bad weather. Its average speed for the trip was reduced by 200 km/hr and the time of flight increased by 30 minutes. Find the original duration of the flight.

SOCIAL SCIENCE:

1. Learn about French Revolution.

2. Learn solutions of Federalism from Text book

3. Make a project on 1.Consumer Rights 2. Sustainable Development

Any one of the above for project (minimum 15 pages includes images)

4. Write a short note on Characteristics of Democracy.

5. What were the ethnics distinguish between Srilanka and Belgium.

6. Write a short note on civil war of Srilanka.

7. What was the role of Gandhi ji in Indian National Movement?

