

**AUM SUN PUBLIC SCHOOL
HOLIDAY HOMEWORK 2025-26
CLASS – 10**

SUBJECT – ENGLISH

PART – I (LITERATURE)

1. A Letter to God: Write a brief summary of the lesson.
2. Write the character of the postmaster and his employees.
3. Give the central theme of the poem 'Dust of Snow' (75 words)
4. Write the summary of the poem 'Fire and Ice' (75 words)
5. How does Mandela describe the systems of government in his country (i) in the first decade, and (ii) in the final decade of the twentieth century?
6. Where did the ceremonies take place? Can you name any public buildings in India that are made of sandstone?

PART – II (WRITING)

1. A letter to the editor (The Times of India) complaining against ;
(a) Shortage of Electricity most of hours
(b) Poor supply of water in colony
2. Game and Sports are the parts of education (Short note – 100 words)
3. Punctuality makes a man perfect (Short note – 100 words)

PART – III (GRAMMAR)

Read and practice of the following topic which have been taught in the class as

- (a) Tense (b) Determiners (c) Articles (d) Modals
(e) Subject verb agreement

Note:- All the homeworks must be in a separate and fair and fortune notebook.

All the best

SUBJECT – HINDI

- क. क्षितिज गद्य के पाठ 1, 2, 3 और पद्य के पाठ 1 से 10-10 अति लघु प्रश्न बनाना ।
ख. कर्तृ वाच्य, कर्मवाच्य और भाववाच्य से 15-15 वाक्य बनाना ।
ग. सरल, संयुक्त, मिश्र वाक्य के 10-10 वाक्य बनाना ।
घ. 'भविष्य व कैरियर के प्रति आपकी सोच व तैयारी' विषय पर 150 शब्दों में अपने विचार लिखिए ।
ङ. परियोजना कार्य –
शीर्षक – अतुल्य भारत

SUBJECT – MATHS

Note:1. Prepare a portfolio file on topic real number, polynomials, pair of linear equations in two variables, Quadratic equations

2. Do all questions in assignment sheet.

3. Write about 5 mathematician.

Q1. Solve the following:

$$0.5x + 0.7y = 0.74$$

$$0.3x + 0.5y = 0.5$$

Q2. Find the value of k for which the value of system of equations has no solution:

$$1. \quad X + 2Y = 0$$

$$2x + ky = 5$$

$$2. \quad Kx - 5y = 2$$

$$6x + 2y = 7$$

Q3. Case study questions:

In the current scenario, people use such door whose top half part is made of glass and bottom half part is wooden. The glass portion of the door is having length and width in the ratio of 5 : 3. The wooden frame around the glass portion adds 11 inches to the total width and 14 inches to the total length. Consider the length of the glass portion as $5x$ inches:

On the basis of the above information, solve the following questions:

- . 1. Find the total length of the glass portion of the door (in inches) is represented in terms of x .
- . 2. Find the total width of the glass portion of the door (in inches).
- . 3. Write the polynomial representation of the area top half part of the door.
- . 4. Find the zeroes of the polynomial representing the area.

Q4. HCF and LCM of two numbers is 9 and 459 respectively. If one of the numbers is 27, find the other number.

Q5. Find the LCM of 96 and 360

Q6. Prove that $2 + 3\sqrt{5}$ is an irrational number.

Q7. Three bells toll at intervals of 9, 12, 15 minutes respectively. If they start tolling together, after what time will they next toll together?

Q8. Determine whether the following system of linear equations is inconsistent or not. $3x - 5y = 20$

$$6x - 10y = -40$$

Q9. Find out whether the following pair of equation is consistent or inconsistent.

$$3x + 2y = 5; 2x - 3y = 7$$

Q10. Seven times a two digit number is equal to four times the number obtained by reversing the order of the digits. If the difference of the digits is 3, determine the number.

SUBJECT – SCIENCE

Worksheet -1

1. What is ohm's law? Plot a graph for ohm's law.
2. Do any ten numerical belongs to resistors connected in series and parallel.
3. Draw the symbols of components of electric circuit(any ten) and write their functions .
4. Write all formulas of chapter electricity In a creative way.
5. Assertion reason based questions:
 - i. Assertion: when a wire is not connected to a battery, then no current is flow.
Reason: electrons moves randomly or does not move in a particular direction.
 - ii. Assertion: current is a scalar quantity.
Reason: electric current arises due to continuous flow of charge particles or ions.
6. Revise whole chapter.(Electricity)

Worksheet -2(Biology)

1. Prepare an activity to show that CO₂ is essential for photosynthesis.
2. Check the blood pressure of your family members for five days and make a report on A4 sheet.
3. Find differences between i) artery and veins
ii) blood and lymph
iii) villi and alveoli
iv) aerobic and anaerobic respiration
4. How xylem transport water and minerals at day time and night time.
5. Prepare and one of the following in 3D model-
 - i) Double circulation or haemodialysis or. Digestive system
6. Revise whole chapter(life processes)

Worksheet -3(chemistry)

1. Balance any ten chemical equations.
2. Write the observation for the following chemical reactions –
 - a) Burning of mg ribbon
 - b) Decomposition of lead nitrate
3. Give any two examples of each reactions :-
 1. Double. Displacement. 2. Decomposition reaction
 3. Displacement reaction. 4. Combination reaction
 5. Exothermic reaction. 6. Reduction reaction.
6. Assertion reason based questions –
 - i). Assertion :washing soda is sodium carbonate hexahydrate.
Reason: chlorine gas is used for the preparation of bleaching powder.
 - ii) Assertion: glucose combines with oxygen in the cells of our body and provide energy.

Reason.: reaction in which heat is released along with the formation of products are exothermic reactions.

SUBJECT – SST

Q1. Write the role of a woman president in India or make P.P.T

Q2. Make a project file on the topic:- Sustainable development OR Social Issue OR Consumer awareness.

Q3. Presentation regarding your goal in your life regarding development of your nation.you have to present this topic after summer vacations in your class.

SUBJECT – INFORMATION TECHNOLOGY

Answer the following questions: -

Note: - Question 1 to 5 complete in your I.T note book.

send on this no. 7017893755 (Pooja Teotia)

- 1.What do you mean by Paralanguage?
2. Write any four factors about self-management
3. Define the steps of 7cs effective communication.
- 4.Why Smart goal is important in your life?
5. Explain any three factors of Visual communication
6. Create presentation on Communication skill 8-10 pages with the help of PowerPoint presentation.
7. Create a presentation on Self Confidence 10 slides with the help of impress software