SRI RAM KRISHAN DAV PUBLIC SCHOOL,SURIYA(GIRIDIH)

DIWALI AND CHHATH PUJA HOLIDAY HOME WORK

SESSION(2026-27)

CLASS-XI(Science)

Subject – English

1.Write the main points of the chapter 'The Tale of Melon City' and Silk Road .

2.Write a speech on the Bad Effects of Junk Food .Write also suggestive measures to sort out this problem.

Subject – Physics

Write all the ncert excercise questions of chapter

1.Gravitation

2. System of particles and rotational motion

Subject – Chemistry

-Solve numericals of Thermodynamics and Equilibrium.

Subject – Biology

Chapter: Respiration in Humans

1. Prepare a well-labelled diagram of the human respiratory system and explain its structure.

2. Make a flowchart illustrating the mechanism of breathing (inspiration and expiration).

3. Differentiate between external respiration and internal respiration.

4. Explain the transport of oxygen and carbon dioxide in blood with suitable diagrams.

5. Prepare a concept map covering the major steps of respiration, including pulmonary ventilation, gas exchange, gas transport and regulation of respiration.

Activity-Based Work: Draw and label the oxygen dissociation curve and explain the factors affecting it.

Note: All work must be done in biology notebook.

Subject – PHE

Record file

Any one game of your choice Labelled diagram of field

Equipment

Rules

Terminologies and skills

Subject – Computer Sci.

1. Python Functions
2. Write a Python program to define a function SumEven(L) that accepts a list of numbers and returns the sum of all even numbers in the list.

Subject – Maths

POINT-SLOPE FORM

1. Line through (2, 3), slope 4.
2. Line through (-1, 2), slope -3.
3. Line through (0, -4), angle 135° with +x-axis.
4. Line through (1, -2), inclined 60° with x-axis.

TWO-POINT FORM

5. Line joining (3, 4) and (-2, 1).
6. Line joining (1, -1) and (3, 5). Find slope and y-intercept also.
7. Line through (2, 3) and (5, -1).

SLOPE-INTERCEPT FORM

8. Slope 2, y-intercept -5.
9. Slope -1/2, y-intercept 3.
10. Slope 3, passes through (0, 0).

INTERCEPT FORM

11. Intercepts 4 and -3 on x and y-axis.
12. Intercepts -2 and 5 on x and y-axis.
13. Intercepts of $3x + 4y - 12 = 0$. Write intercept form.
14. Line through (4, 3), intercepts equal on axes.

DISTANCE BETWEEN POINT AND LINE

15. Distance of (3, -5) from $3x - 4y + 10 = 0$.
16. Distance of (1, 2) from $2x + y - 3 = 0$.
17. Distance of (2, -1) from $12x - 5y + 9 = 0$.
18. Find p if distance of (2, 3) from $x + y + p = 0$ is 1 unit.

DISTANCE BETWEEN TWO PARALLEL LINES

19. Distance between $3x - 4y + 7 = 0$ and $3x - 4y + 5 = 0$.

20. Distance between $2x + 3y - 6 = 0$ and $4x + 6y + 8 = 0$. Also find midway line.