

KV TIRUVANNAMALAI WINTER HOLIDAY HOME WORK

XI-STD

Hindi

1. हिंदीदिवससेआपक्यासमझतेहैं? हिंदीदिवसकेबारेमें200 शब्दोंमेंलिखें।
2. संज्ञाकिसेकहतेहैं? संज्ञाकेकितनेभेदहैं, उदाहरणकेसाथबतानेकाप्रयासकरे।

English:

1. Write any 5 positive points about Crooker Harries?
2. What are the 5 negative points about Frank as a teacher of science?
3. How do you want to spend your winter break and a new year?

(Write all in A4 sheet)

Maths

1. Complete math's record note
2. Prepare well for periodic test 2

Physics:

1. Make a table on three types of physical quantities with SI unit and symbols used.
2. Derive the 3 equation of motion and also give the equation of motion for a free fall.
3. Why do the mountaineer and scuba divers wear oxygen cylinder. Explain your answer in detail for each case. What is atmospheric pressure.

(write HHW WB in A4 sheet)

CHEMISTRY

1. Why are alkali metals not found in nature?
2. Find out the oxidation state of sodium in Na_2O_2 .

3. Explain why is sodium less reactive than potassium.
4. Why are potassium and caesium, rather than lithium used in photoelectric cells?

(Write all in A4 sheet)

Biology

1. Give comparison between i) C3 and C4 pathway ii) cyclic and noncyclic photophosphorylation
2. Draw the structure of chloroplast

COMPUTER SCIENCE

Q.1: Classify each of the following as either a legal or illegal Python identifier:

- a) fred
- b) sum total
- c) xTwo
- d) #if
- e) Sumtotal
- f) _static
- g) #2x
- h) While
- i) _4
- j) sum_total
- k) Private
- l) 10%
- m) sumTotal
- n) public
- o) a27834
- p) sum-total
- q) \$16

Q.2: Find Output: if $i1=2$, $i2 = 5$, $i3 = -3$, $d1 = 2.0$, $d2 = 5.0$, $d3 = -0.5$

- a) $i1 + (i2 * i3)$
- b) $i1 * (i2 + i3)$
- c) $i1 / (i2 + i3)$
- d) $i1 // (i2 + i3)$
- e) $i1 / i2 + i3$
- f) $i1 // i2 + i3$
- g) $3 + 4 + 5 / 3$
- h) $3 + 4 + 5 // 3$
- i) $(3 + 4 + 5) / 3$

j) $(3 + 4 + 5) // 3$

k) $d1 + (d2 * d3)$

l) $d1 + d2 * d3$

m) $d1 / d2 - d3$

n) $d1 / (d2 - d3)$

o) $d1 + d2 + d3 / 3$

p) $(d1 + d2 + d3) / 3$

q) $d1 + d2 + (d3 / 3)$

r) $3 * (d1 + d2) * (d1 - d3)$

Q.3: Write the Python program for the following:

(A) To take input a welcome message and display it.

(B) To find whether a given number is even or odd?

(C) To take input two numbers and display the larger number.

(D) To accept two integers and print their sum.

(E) To accept radius of a circle and prints its area.

(F) To take inputs a student's marks in three subjects (out of 100) and prints the percentage marks.

(G) To compute the simple interest.

(H) To accept two numbers and prints their quotient and remainder.

(I) To take input three numbers and display the largest number.