

# **PM SHRI KENDRIYA VIDYALAYA DHARMAPURI**

## **HOLIDAY HOMEWORK 2025-2026**

### **SUBJECT: COMPUTER SCIENCE - 12 A**

#### **Assignment:**

- 1) Research the Project Topic in Website with Project Description also. Submit Hardcopy on School Reopen that Day.
- 2) To write all DataTypes Programs with all in-build-function() in (A4 Sheet)
- 3) Write Python Program with using of User-define function in A4 Sheet. **(6 Questions are Down Below)**

#### **Question:**

1. Write a program that prompts for a phone number of 10 digits and two dashes, with dashes after the area code and the next three numbers. For example, 017-555-1212 is a legal input. Display if the phone number entered is valid format or not and display if the phone number is valid or not (te., contains just the digits and dash at specific places).
  2. Write a program that takes any two lists L and M of the same size and adds their elements together to form a new list N whose elements are sums of the corresponding elements in L and M. For instance, if L=[3, 1, 4] and M=[1, 5,9], then N should equal [4, 6, 13].
  3. Write a program that rotates the elements of a list so that the element at the first index moves to the second index, the element in the second index moves to the third index, etc., and the element in the last index moves to the first index.
  4. Write a short Python code segment that prints the longest word in a list of words.
  5. Write a program that creates a list of all the integers less than 100 that are multiples of 3 or 5.
  6. Define two variables first and second so that first = "Jimmy" and second = "Johny". Write a short Python code segment that swaps the values assigned to these two variables and prints the results.
- 4) To write a Introduction of Function ,Understanding Function,Calling/Invoking/using A function in **Chart**( Make it More Design and Hand Writing also should be Neat )