



# Delhi Public School, Howrah

PERIODIC TEST – II (2024-2025)

CLASS-XI

Care must be taken not to write anything on the question paper. All the questions must be attempted in the correct sequence.

SUBJECT: INFORMATICS PRACTICES (CODE- 065)

PRACTICAL EXAMINATION

Time:-3 Hours

F.M.-30

## General Instructions:

1. Please read the instructions carefully.
2. This Question Paper is divided into 04 sections, viz., Section A, Section B, Section C and Section D.
3. Section A - Python Programs is of 12 marks.
4. Section B (Report File) is of 7 marks.
5. Section C (Project) is of 8 marks.
6. Section D (Viva-Voce) is of 3 marks.

### Section A

1. Write and execute the following programs with appropriate outputs.

3 x 4 = 12

- a. Write a python program to take a number from the user and check whether it is a perfect number or not. If the number happens to be a perfect number then display the last digit of that number.  
Hint: If a positive integer is equal to the sum of its positive divisors, excluding the number itself, then it is termed as a perfect number.
- b. Write a python script to find the sum of  $1+1/8+1/27+\dots+1/n^3$ , where n is the integer number input by the user.
- c. Write a program to display the following output by using necessary loops.  
A  
B B  
C C C  
D D D D  
E E E E E
- d. Write a program that takes a list 'L', adds 5 to all the odd values and 10 to all the even values of the list L. Display the list.

### SECTION B

2. Report File

(7)

### SECTION C

3. Project

(8)

### SECTION D

4. Viva Voce

(3)