Raiganj Surendranath Mahavidyalaya

CBCS B.Sc PHYSICS Honours (PRACTICAL Exam)

Semester-I, 2021

DC 1P: MATHEMATICAL   PHYSICS-1

Full Marks-15   **Time- 2 Hours**

Answer any FIVE questions: (5×3)

1. What is printed by the Python code?

```
for z in [2, 4, 7, 9]:

    print(z – 1)
```

2. How do user utilise the Python code **to know the value of 5^3. Write the required code.**

3. What is printed by the Python code?

```
print('2' + '9')
```

4. What is printed by the Python code?

```
for i in range(1, 3):

    print('Hello again!')
```

5. Write a Python program **to determine the area of a circle by taking the input from the user. [use import math]**

6.   Write a Python program **to find the average of the numbers in the list P = [1, -4.5, 0, 3.7, 8].**

7. What is Hardware and what is Software in computer architecture ? Explain with examples.