

# Raiganj Surendranath Mahavidyalaya

CBCS B.Sc PHYSICS Honours (PRACTICAL Exam)

Semester-I, 2020

DC 1P: MATHEMATICAL PHYSICS-1

Full Marks-15

Time- 3.30 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. What is printed by the Python code?

```
print ('how \nit is\nnow')
```

3. What is printed by the Python code?

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

4. What is printed by the Python code?

```
for i in range(3):  
    print('Hello again!')
```

5. Write a Python program that prompts the user for two numbers, reads them in and prints out the product.

6. Write the necessary commands of GNUPLOT for

Setting labels, title, X-tics, Y-tics, border of any plot of your choice.

7. Write the necessary commands of GNUPLOT for

Straight line fit of given data and then plot this with original data points.