

**O LEVEL (O-PR) – BATCH: S2**

1. Create a table in MS-Excel as shown below:

<b><u>Roll No.</u></b>	<b><u>Name</u></b>	<b><u>Marks English</u></b>	<b><u>inMarks in Math</u></b>	<b><u>Total Marks</u></b>
1.	Rahul	85	95	
2.	Ronit	65	50	
3.	Amit	72	80	
4.	Rupesh	40	60	
5.	Shivika	35	70	
6.	Garima	87	91	

Do the following:

- In the total marks column, entries should be calculated using formulas and it is the sum of marks in English and marks in Math.
- Insert a new row at the end of the table and also find grand total using formula.
- Sort the table based on total marks.
- All columns should be center aligned.
- Heading should be in bold and underlined

**OR**

Draw the flowchart using Libre Office Draw application for finding the mean and median of a set of values given, for example. 13, 12, 11, 9, 18, 15, 10.

**(25)**

2. Create a page with two frames using HTML:

- The left frame of page contains the list of names and images of the Indian national leaders.
- On the left frame when u click on the image, the details will be shown on the right fame.

**OR**

Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient

3. Write a C function that takes an integer value and returns the number with its digits reversed.

**OR**

Write a program in 'C#' that counts the number of occurrences of a particular character in a line of text. Print the character and its number of occurrences.

**OR**

Create an animated graphic symbol eg. an animated rollover button. Add a movie clip to be played on the button surface. Also add the timeline to show animated effects.

**(30)**

**OR**

*(attempt both parts)*

- (i). Write a Python program to print the sum of series  $1^3 + 2^3 + 3^3 + 4^3 + \dots + n^3$  till n-th term. N is the value given by the user.

**And**

- (ii). To interface Push button/Digital Sensor (IR/LDR) with Arduino/Raspberry Pi and write a program to turn ON LED when push button is pressed or at sensor detection.

**(15+15)**

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