

REGN NO.:								LEVEL:	
-----------	--	--	--	--	--	--	--	--------	--

**Time Allotted: 03 Hours**

**Max. Marks: 100**

**(80 Marks for Practical Exercise + 20 Marks for Viva-voce)**

1. Write your Registration Number and Level in the space provided on the top.
2. All the three questions are compulsory. In case of Question No. 3, the candidate must attempt the question based on the subject as opted by him/her in theory examination.
3. **The 'Question Paper-cum-Worksheet' can be used for writing algorithms/flowcharts and documentation of program and the output results with relevant headings etc.**
4. The maximum marks allotted for each question is given in the parentheses.
5. **Candidate must return the 'Question Paper-cum-Worksheet' to the examiner before leaving the exam hall.**
6. All the questions should be solved on the desktop PC and demonstrated to the Examiner and Observer.
7. Wherever values/data have not been given in the Questions, the candidate can assume the data.

**O LEVEL (O-PR) – BATCH: S1**

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

Roll No.	Name	Marks in Physics	Marks in Chemistry	Total Marks
1.	Ritu	80	70	
2.	Rohit	70	80	
3.	Amit	60	50	
4.	Rakesh	40	60	
5.	Niti	30	70	
6.	Garima	80	80	

Do the following:

- a) In the total marks column, entries should be calculated using formulas and it is the sum of marks in physics and marks in chemistry.
- b) Insert a new row at the end of the table and also find grand total using formula.
- c) Sort the table based on total marks.
- d) All data should be center aligned.
- e) Heading should be in bold and underlined.

**(25)**

2. Design a form using HTML tags for student enrolment in a school.

**(25)**

3. Write a program in 'C' language to input 20 arbitrary numbers in one-dimensional array. Calculate frequency of each number. Print the numbers and their frequency in a tabular form.

**OR**

Write a program using 'C#' to create and start a thread t1. A write method should be defined to display a string in the console window when the thread starts.

**OR**

Create an application in Photoshop to illustrate the basic Image processing techniques.

**(30)**