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.

Q.No	Marks obtained		Total
	Examiner (40 marks)	Observer (40 marks)	
1			
2			
3			
Viva Marks (20 Marks)			
Over all Total (Out of 100)			

O LEVEL (O-PR) – BATCH: S2

1.   Create an EXCEL sheet with following data and perform the operation listed below

A	B	C	D	E	F	G
234		45				
244		567				
43		568				
456		679				
2345		345				
4567		590				

(a) Sort the content of column A in descending order
(b) Perform subtraction of column C from column A and put result in column E
(c) Do total of column A and E
(d) Copy only content of Column E in column G

OR

A company records the details of total sales (in Rs.) Item and in the following format:

Sector	Jan	Feb	March	April
PCs	12000	17000	15000	20000
Laptops	14000	18000	15000	16000
Printers	15000	18000	13000	12000
Scanners	16000	15000	14000	23000

(a) Enter the data using spreadsheet and save it as sector
(b) Using appropriate formula, calculate total sale for each sector
(c) Create a 3-D column chart to show sector wise data for all four months
(d) Create a 3-D pie chart to show sales in Jan in all sectors

(25)

2.   Create a HTML file which displays three images at LEFT, RIGHT and CENTER respectively in the browser.

OR

Create a HTML Document with JavaScript code that has three Textboxes and a button. The details should be accepted using textboxes are principal, rate of interest, and duration in years. When user clicks the OK , a message box appears showing the simple interest of principal amount.

(25)

3.   Write a program in 'C' to find the sum of all prime numbers between 100 and 500.

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OR

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Write a program in 'C#' to get two matrices and multiply them. Make sure that number of columns of first matrix = number of rows of second.

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OR

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Create a rolling ball using Photoshop by using the concept of layers. Place some white text on this layer at the center of the image. Sphereize the text and show the effects.

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(30)

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OR
(attempt both parts)

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(i)   Write a Python function that takes a string as parameter and returns a string with every successive repetitive character replaced by ? e.g. school may become scho?l.

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AND

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(ii)   Write a program to interface LEDs on pin no. 10,11,12,13 and blink alternatively at the delay of 1 sec.

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(15+15)

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