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O LEVEL (O - PR) – BATCH : S3

1. A university maintains a year wise result for three courses and then generates an average report as given below :

SR NO	YEAR	COURSE1	COURSE2	COURSE3	AVERAGE
1	2014	300	650	560	
2	2015	450	500	400	
3	2016	490	400	250	
4	2017	600	650	350	
5	2018	500	550	450	
Course Wise Average					

- (a) Create the worksheet shown above.
- (b) Save the file with name "**Courses**".
- (c) Use the **AutoFill** to put the SR NO. into cells.
- (d) Set the **column widths** as follows : Column A : 8, Column B : 14, Columns C & D : 15, Columns E & F : 14.
- (e) Complete the report to calculate the course wise average in **row 6**.
- (f) Provide **formula** to calculate year wise average in **column F**.

OR

Create a presentation using Impress tool by making minimum 5 slides about own institution and do the following tasks :

- (a) Search web to select an appropriate model for biodata and covering letter.
- (b) Prepare own biodata to apply for a position/job w.r.t selected course of study.
- (c) Save the file.
- (d) Protect the file with a password.
- (e) Convert the file to Portable Document Format, so that the file will be seen intact in all OS platforms.
- (f) Send files through email to your friend.

25

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2. Using HTML

- (a) Create a 4x3 table
- (b) Within table, place 12 images of Indian Tourist Spots, in each box
- (c) Each image should link to the corresponding Website of the Tourist Spot
- (d) Each Image must be at least 100x100 in size

OR

Create a webpage and write a program in java script to show the result of student attendance on weekly basis for *xyz* subject. A total of 5 classes can be conducted in a week. The document should contain a form with radio buttons that allows teacher to select status of absence or presence for 5 students of a class. The page also allows to select date and time for which attendance is to be marked. On submitting attendance for a particular day it should prompt a message for successful entry. The program should display the output as :

- (i) total number of classes attended out of total number of classes conducted for each student
- (ii) %age of attendance
- (iii) Buttons should be enabled and disabled as per conditions. 25

3. Write a program in 'C' to convert a given decimal number to its octal equivalent and vice versa. Prompt user with proper input and output messages.

OR

Write a program in 'C#' to sort an array of number. It should (a) display the greatest and smallest numbers of the array (b) delete a given element from an array and then shift rest of the elements in the array towards left.

OR

Create a WHO logo symbol as a logo to be reused in several health related applications that can be stored in a library for a Flash document as a reusable object. 30

OR

*(attempt both parts)*

- (I) Write a Python function to get two matrices and multiply them. Make sure that number of columns of first matrix = number of rows of second.

*And*

- (II) Write Arduino program for LED fade-in and fade-out. The programmer can decide the points when the LED should fade. 15+15

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**O LEVEL (O-PR) – BATCH: S3**

1. Create any word document of 3 to 4 pages, add a Watermark with name “Confidential page”. Add page no. in the footer but not on the first page.

**OR**

Create three slide presentation and do the following instruction

- In first slide give title name of presentation and add theme of your choice and save as My\_first\_presentation.
- In second slide write content of presentation in bullet format
- in third slide add table with four rows and four columns
- Add date and page number in footer in each slide

**(25)**

2. Create a html page with 7 separate lines in different colors. State color of each line in its text.

**OR**

Create a web page, divide the web page into four frames. In one frame create three links that will display different HTML forms in the remaining three frames respectively.

**(25)**

3. Write a program in ‘C’ Language that reads several lines of text and determine the average number of characters per line.

**OR**

Using ‘C#’, create a function to print all prime numbers between 20 and the number which the user inputs (enter)

**OR**

Create an animated button symbol on the screen as a reusable object that can also be stored in a library for a Flash document.

**(30)**

**OR**

**(attempt both parts)**

- (i) Write a Python program which takes list of numbers as input and finds:

- The largest number in the list
- The smallest number in the list
- Product of all the items in the list

**AND**

- (ii) To interface LED/Buzzer with Arduino/Raspberry Pi and write a program to turn ON LED for 1sec after every 2 seconds.

**(15+15)**

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**O LEVEL (O-PR) – BATCH: S4**

1. Create a table with the following field names in MS-Access.

Name of field	Data type
Book_name	Varchar
Purchase_date	Date
Price	Numeric
Author_name	Varchar

Do the following:

- Enter 5 records in the table using forms.
- Display list of books in alphabetical order using reports.
- Display list of books in ascending order of price.

**OR**

Create a List of Restaurant Menu Items using following features of LibreOffice Writer:

- Create a numbered list
- Change the style and formatting of the numbered list
- Introduce a nested list in the menu

**(25)**

2. Create a hyperlink using HTML `<a href>` which opens the linked document in the new window or tab and also specify the title attribute to demonstrate the title of the link

**OR**

Create following unordered list in HTML:

**Unordered List with Circle Bullets**

- o Coffee
- o Tea
- o Milk

**(25)**

3. Write a 'C' Program that Convert decimal number into binary number. eg. The number 70 in decimal is expressed as 1000110 in binary.

**OR**

Write a program in 'C#' to get a count and display of the Fibonacci series as follows:

Enter Count: 10

Output:-

Series is

1    1    2    3    5    8    13    21    34    55

**OR**

Illustrate with the help of an application the creation of text effects with filters.

**(30)**

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**OR**  
**(attempt both parts)**

- (i). Write a Python program that takes list of numbers as input from the user and produces a cumulative list where each element in the list at any position n is sum of all elements at positions upto n-1.
- (ii). Write a program to interface of A/C with Arduino board using wi-fi signals to on/off the delay of 1 sec.

**(15+15)**

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O LEVEL (O - PR) – BATCH : S4

1. Create a table with the following field names in Ms-Access :

Name of the field	Data type
Item_Code	Varchar
Item_Name	Varchar
Price	Numeric
Quantity_in_hand	Numeric
Reorder_Level	Numeric
Item_Type	Varchar

Do the followings :

- (a) Enter ten records in the table using forms.
- (b) Display list of items in ascending order of Reorder\_Level.
- (c) Display list of item in alphabetical order using reports.

**OR**

In LibreOffice , use mail merge feature to create invitation letter for Republic Day Flag hoisting to all the employees in the organization.

- (a) Create your own Address List which will contain First name, Last name, Designation, Department.
- (b) Content of the main body of email should describe the time, date and venue of the parade.
- (c) All documents need to be sent through Email. (25)

2. Create an html page with following specifications : Title should be about Gateway of India. Place City name at the top of the page in large text and in blue color. Add pictures taken from different angles/views, add label and caption with each picture. Give Alternate Text on each image. Use a different color, style and typeface in the text. One of the landmark, **Mumbai** should be blinking. Add scrolling text with a message of your choice.

**OR**

Define a function max() that takes two numbers as arguments and returns the largest of them. Use the if-then-else construct available in Javascript. (25)

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

OR

Using .Net, Create a text box named MyfirstText that has a red foreground color and a blue background color. The initial text displayed in the box should be "Welcome to World of Pandemic". Create another text box named MySecondText that has a blue foreground color and a gray background color. The initial text displayed in the box should be "Good Bye Covid".

OR

Create an application illustrating a running dog from one place to another. The image should fade away as the dog moves away from the location of sight.

- (a) Specify the path of movement of the dog
- (b) set the key frames for the motion.
- (c) Create transitions effects,
- (d) set the starting position of the dog.
- (e) Add multiple effects such as changing size or fading to make the dog appear to grow or fade-in while it enters or fade-out and shrink as it exits (30)

OR

*(attempt both parts)*

- I. Write a Python function which takes list of integers as input and finds:
- (a) The largest positive number in the list
  - (b) The smallest negative number in the list
  - (c) Sum of all positive numbers in the list

And

- II. To interface LED/Buzzer with Arduino/Raspberry Pi and write a program to turn ON LED for 1 second after every 2 seconds. (15+15)

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**O LEVEL (O-PR) – BATCH: S4**

1. Check the following data in table of MS Excel:

Loan EMI Calculation	
Loan amount	200000/-
Interest Rate	8%
Loan term in year	5
Total EMI	60
Total Compnd. Interest	?
EMI Amount	?

Total compound interest= principal loan amount\*(1+interest rate) loan-term  
EMI Amount= (Total compound interest+ Principal Loan Amount)/60

Calculate these values and put in the table.

**OR**

Use the LibreOffice Writer to do the following tasks:

- Selecting items that are not consecutive
- Finding and replacing text of your choice with a new word
- Inserting special characters
- Setting tab stops and indents of your choice

**(25)**

2. Create following table using HTML <table> tag. Also, specify the border and border-collapse property of CSS:

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

**OR**

Create an html page with following specifications :

Title should be about my City. Place your City name at the top of the page in large text and in blue color. Add names of landmarks in your city each in a different color, style and typeface. One of the landmark, your college name should be blinking. Add scrolling text with a message of your choice

**(25)**



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**O LEVEL (O-PR) – BATCH: S4**

1. Enter the data as per the following and save it in grade.xls for 10 students.

Name	Marks1	Marks2	Marks3	Total	Percentage	Grade
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Do the following:

- a) Compute the total marks and percentage of each student by entering appropriate formula.
- b) Compute the grades based on following criteria:
  - If percentage  $\geq 90$  then grade = A
  - If percentage  $\geq 80$  and  $<90$  then grade = B
  - If percentage  $\geq 70$  and  $<80$  then grade = C
  - If percentage  $\geq 60$  and  $<70$  then grade = D
  - If percentage  $< 60$  then grade = E

(25)

2. Prepare a "resume.html" that might include such information as:

- a) distinguishing marks
- b) special interests
- c) work history
- d) education and training
- e) job objective
- f) relevant skills and experience

(25)

3. Write a program in 'C' to display the following pattern called Floyed's Triangle.

```
1
2  3
4  5  6
7  8  9  10
11 12 13 14 15
```

**OR**

Write a program in .NET that takes a number and displays whether it is prime or not.

**OR**

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

(30)

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**O LEVEL (O-PR) – BATCH: S3**

1. Create a document in Word. Format the document with various fonts (minimum 12, maximum 15) and margins (minimum 2, maximum 4). The document should include:
  - a) A bulleted or numbered list
  - b) A table containing name, address, basic pay, department as column heading
  - c) A picture of an animal using the clip art gallery
  - d) A header with your name and the date
  - e) A footer with pagination

**OR**

Create Student Data Sheet in Calc for eligibility in class Sixth admission, as given below:

Form No.	Stud Name	Class	DoB	Last Date of Submission	Age as on Date of Admission	Eligibility

- a) Enter data for 5 students up to Last Date of Submission
- b) Calculate Age of students
- c) Eligibility of admission (if age > 27 & < 29 then eligible, if age => 26 or < 27 then eligible of next year, else not eligible)
- d) Filter the Student list as per eligibility

**(25)**

2. Using HTML
  - a) Create a 4x3 table
  - b) Within table, place 12 images of Indian Tourist Spots, in each box
  - c) Each image should link to the corresponding Website of the Tourist Spot
  - d) Each Image must be at least 100x100 in size

**OR**

Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions for the following problems:

- a) Parameter: A string
- b) Output: The position in the string of the left-most vowel
- c) Parameter: A number
- d) Output: The number with its digits in the reverse order

**(25)**

3. Write a program in 'C' to reverse the digits of a given number. For example, the number 9876 should be returned as 6789.

**OR**

Write a program in 'C#' to get two arrays and multiply the members term by term and then display the output.

**OR**

A Timeline is where you control the images and sounds in the Flash documents. The Timeline is divided into frames. Create an application in Flash to demonstrate the Timeline effects for changing text, shapes and symbols.

**(30)**

REGN NO.:								LEVEL:	
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**OR**

***(attempt both parts)***

- (i). Write a Python Program to find the successor and predecessor of the largest element in an array.

**And**

- (ii). Write a program to interface security password with Arduino board to show green light for correct password and red light for incorrect password.

**(15+15)**

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**O LEVEL (O-PR) – BATCH: S3**

1. Make a list of addresses in MS-Excel. Write a letter in MS-WORD. Using mail merge generate letters for all addresses in Excel file. **(25)**
  
2. Using HTML
  - a) Create a 4x3 table
  - b) Within table, place 12 images of Indian Tourist Spots, in each box
  - c) Each image should link to the corresponding Website of the Tourist Spot
  - d) Each Image must be at least 100x100 in size**(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**

Compress .txt, .doc, .jpg, .bmp files using any compression tool. Compare the compression ratio.

**(30)**

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**O LEVEL (O-PR) – BATCH: S2**

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

Roll No.	Name	Marks in English	Marks in Maths	Total Marks
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 physics and marks in chemistry.
- 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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**O LEVEL (O - PR) – BATCH : S2**

1. Create the worksheet shown above and save the file with name "Employees\_Detail".

EMPLOYEE'S DATABASE				
NAME	DEPARTMENT	DESIGNATION	SALARY	ADDRESS
JUHI	SBI	BM	100000	LKO
HARISH	LIC	AD	80000	KANPUR
ANANYA	SBI	RM	200000	BAREILLY
GAURAV	LIC	MD	90000	LKO
KAJAL	FCI	RM	200000	KANPUR
MAYANK	LIC	MD	80000	MEERUT

**Do the followings :**

- Merge and center** the Heading "EMPLOYEE'S DATABASE". Apply the cell style to Accent2.
- Make the Column headings in **BOLD** format.
- Count the total no. of employees **DEPARTMENT WISE**.
- List the name of employees whose salary is greater than **120000**
- Count the total no. of employees who have salary greater than **100000**
- Sort** the data **DEPARTMENT** wise in ascending order
- Generate a **Column chart** and **Line chart** to highlight employee name and their salary.
- Generate a **Pie chart** along the salary contribution by each **DEPARTMENT**.

**OR**

Create a presentation consisting of 5 slides on "Delhi- Capital of India" in LibreOffice keeping in mind the following features :

- Select the Presentation option in LibreOffice.
- Select the blue border as the presentation's background.
- Create your first presentation add as a title "LibreOffice first knowledge".
- Create a blank slide to a new presentation and insert an image that you have stored in your folders, your desktop or "My pictures folder". (25)

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2. Write a HTML program to create a form for the subscription of a magazine. The form should contain Name, Address, City, State, Pin Code. Magazine should be selected from 5 different magazines using checkbox. Subscription is available for 1 year or two years. Radio buttons shall be used to select subscription period. The page should have a submit button.

OR

Create a webpage and write a program in Java script to show the reservation system of XYZ train. Assume total 3 different routes (each route is containing 3 different trains with 5 seats capacity each). The document should contain a form with radio buttons that allows user to select route and then drop down box for train selection. The page also allows to select date and time for which reservation has to be booked. On reservation for a particular train it should prompt a message for successful entry otherwise unavailability. The program should display the output as

- (i) Total number of reservation by system.
- (ii) Reservation per train.
- (iii) Reservation per route. (25)

3. Write a program in 'C' to reverse the digits of a given number (the number 69876 should be returned as 67896).

OR

Write a program in 'C#' that opens two files and copies content of the first file in the second file. It should have an exception to handle non existing file in case of reading first file.

OR

Create a rolling sphere using Photoshop by using the concept of layers. Place some white text on this layer at the center of the image. Apply spherize filter on the object and show the effects. (30)

OR

*(attempt both parts)*

- I. Write a Python function to find the sum of all numbers between 100 and 500 which are divisible by 2.

And

- II. Write a program to interface buzzer with Arduino board to buzz on/off with the delay of 5 sec. (15+15)

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**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)**



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**O LEVEL (O-PR) – BATCH: S2**

1. Create a database in MS-Excel. Calculate the Total, Average and print the table as per format below:

S. No.	Year	Subject1	Subject2	Subject3	Subject4	Average
1.	2002	243	234	123	354	
2.	2003	532	367	893	265	
3.	2004	432	256	782	165	
4.	2005	234	543	645	642	
5.	2006	265	765	934	278	
	Total					

(25)

2. Design a HTML page to display a picture. The picture should be removed from the screen after a mouse click on the picture.

(25)

3. Write a 'C' Program that Convert decimal number into binary number.

eg. The number 70 in decimal is expressed as 1000110 in binary.

**OR**

Write a program in 'C#' to read two strings from the keyboard using readline statements and compare them ignoring the case.

**OR**

A Timeline is where you control the images and sounds in the Flash documents. The Timeline is divided into frames. Create an application in Flash to demonstrate the Timeline effects for changing text, shapes and symbols.

(30)

REGN NO.:								LEVEL:	
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**O LEVEL (O-PR) – BATCH: S1**

1. Make a list of addresses in MS-Excel. Write a letter in MS-WORD. Using mail merge generate letters for all addresses in Excel file.

**OR**

Demonstrate and write the sequence of steps to open a GMAIL account and create and send a new E-mail with an Impresss presentation file

**(25)**

2. Write a HTML program to create a form for the subscription of a magazine. The form should contain Name, Address, City, State, Pin Code. Magazine should be selected from 5 different magazines using checkbox. Subscription is available for 1 year or two years. Radio buttons shall be used to select subscription period. The page should have a submit button.

**OR**

Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

**(25)**

3. Write a program in 'C' to print total numbers of odd integers and their sum in an array that contains 15 elements.

**OR**

Write a .NET program to accept two strings from two text boxes. Display these two strings with their lengths. Compare these strings and display appropriate message.

**OR**

Create an animated flying India's flag using any multimedia software and play a sound for this animation.

**(30)**

**OR**

**(attempt both parts)**

- (i). Write a Python program to print all the prime numbers in the given range. an Interval. A prime number is a natural number greater than 1 that has no positive divisors other than 1 and itself.

**And**

- (ii). To interface LED/Buzzer with Arduino/Raspberry Pi and write a program to turn ON LED for 2 sec after every 3 seconds.

**(15+15)**

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**O LEVEL (O - PR) – BATCH : S1**

1. (a) Create a worksheet "employee" with the following information.

Name	Phone	Floor	Office	Dept.	Design	Salary
Neha	5834	2	11	Admin	PM	8000
Sucheta	2812	2	21	Admin	CL	9000
Amrit	3477	1	17	Mkt	CL	10000
Arunesh	6992	3	14	Mkt	MM	8500
Ashwin	1538	3	12	Mkt	SI	5000

- (b) To find floor in which there is no person whose name starts with A.  
 (c) To display name and office for the persons in office 11 and 14.  
 (d) To extract name and phone for the persons on the floor between 2 and 4.  
 (e) To extract name and office for persons of Admin department.  
 (f) To extract name and phone for the persons having salary more than 8000/-.

**OR**

- (a) In Spreadsheet, Enter the following data.

Employee Name	Basic Pay	DA	HRA	Gross Pay	Insurance	P.F.	Net Salary
Anil Kumar	8500						
Sunita Devi	12500						
Roji Sharma	16500						
Farida Khan	18500						
Gunita Devi	24000						
Total Amount							
Highest Employee Salary							
Lowest Employee Salary							
Total Insurance Collected							

- (b) Calculate DA as 80% of Basic Pay and HRA as 10% of basic pay + DA.  
 (c) Find out Net Salary (giving the deductions of Insurance 10% of Basic pay and P.F. 5% of Basic pay).  
 (d) Find out the Highest and lowest Salary of the Employee.  
 (e) Calculate the total Insurance collected from all the employee.  
 (f) Apply two decimal notations to all the numeric values. (25)

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2. Create a webpage, divide the webpage into six frames. In one frame create five links that will display different HTML forms in the remaining five frames respectively.

**OR**

Write a HTML code using CSS to create a job application form having following details :

- (I) Personal Information ( First Name, Middle Name, Last Name, Gender, address & phone number)
- (II) Education Details ( 10<sup>th</sup>, 12<sup>th</sup>, Graduation & others)
- (III) Experience (in months) (25)

3. Write a program in 'C' to input 50 arbitrary numbers in one-dimensional array. Calculate mean, mode and median of data. Print the results in a tabular form.

**OR**

Write a function in C# to print all prime numbers between 500 and 1500.

**OR**

Create an animated button symbol on the screen as a sphere that can also be stored in a library and reused for a Flash document. (30)

**OR**

*(attempt both parts)*

- (i) Write a Python function that takes a string as parameter and returns a string with every successive repetitive character replaced by & e.g. Parameter may become Par&met&r.

**And**

- (ii) Write a program to interface LCD with Arduino board and display "This is Covid-19 Pandemic always wear the mask" on it. (15+15)

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**O LEVEL (O-PR) – BATCH: S1**

1. Below is given a letter and some addresses. This letter is to be sent to all these addresses.  
User mail merge

Addresses are:

- 1) Amit, H No 424 sector 8D, Lajpat Nagar, New Delhi
- 2) Rohit, H No 444, Sector 125C, Chandigarh
- 3) Jyoti, H NO 550, Sector 16A, Gomti Nagar, Lucknow

The Letter is

To

<<Name>>

<<Address>>

Dear <<Name>>

You are advised to appear for an interview on the <<Date>> at 9:00 A.M with your original documents.

Yours Sincerely

ABC Limited,

Industrial Phase –7, New Delhi.

**OR**

Create a table in word as shown below with following fields.

Roll No	Name	Marks		Total Marks
		Physics	Chemistry	
1.	Ritu	78	88	166
2.	Amit	90	92	182
3.	Rakesh	67	78	145
4.	Rohit	50	50	100
5.	Niti	60	65	125
6.	Garima	89	67	156

Do the followings.

- 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. The date and heading should be center aligned
- e. Heading should be in bold and underlined

(25)



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**O LEVEL (O-PR) – BATCH: S1**

1. Create a table with the following field names in MS-Access.

<b>Name of field</b>	<b>Data type</b>
Book_name	Varchar
Purchase_date	Date
Price	Numeric
Author_name	Varchar

Do the following:

- a) Enter 5 records in the table using forms.
- b) Display list of books in alphabetical order using reports.
- c) Display list of books in ascending order of price.

**(25)**

2. Create a HTML page to accept the name, address, city, state and pin code. Add a send button to send an email with the details of name and complete address.

**(25)**

3. Write a program in 'C' to reverse the digits of a given number. For example, the number 9876 should be returned as 6789.

**OR**

Write a program in 'C#' to get two arrays and multiply the members term by term and then display the output.

**OR**

Illustrate with the help of an application the creation of text effects with filters.

**(30)**