1	Creating a python program named "Mycsv.py" to store the details of Empno, Name and Salary in "Emp.csv" and search for an Empno entered by the user. If found, display the details of the Employee else display Empno is not present.	8
2	Write SQL queries for (i) to (iv)	4

Table : TRAINS

TNO	TNAME	START	END
11096	Ahimsa Express	Pune Junction	Ahmedabad Junction
12015	Ajmer Shatabdi	New Delhi	Ajmer Junction
1651	Pune Hbj Special	Pune Junction	Habibganj
13005	Amritsar Mail	Howrah Junction	Amritsar Junction
12002	Bhopal Shatabdi	New Delhi	Habibganj
12417	Prayag Raj Express	Allahabad Junction	New Delhi
14673	Shaheed Express	Jaynagar	Amritsar Junction
12314	Sealdah Rajdhani	New Delhi	Sealdah
12498	Shane Punjab	Amritsar Junction	New Delhi
12451	Shram Shakti Express	Kanpur Central	New Delhi
12030	Swarna Shatabdi	Amritsar Junction	New Delhi

Table : PASSENGERS

PNR	TNO	PNAME	GENDER	AGE	TRAVELDATE
P001	13005	R N AGRAWAL	MALE	45	2018-12-25
P002	12015	P TIWARY	MALE	28	2018-11-10
P003	12015	S TIWARY	FEMALE	22	2018-11-10
P004	12030	S K SAXENA	MALE	42	2018-10-12
P005	12030	S SAXENA	FEMALE	35	2018-10-12
P006	12030	P SAXENA	FEMALE	12	2018-10-12
P007	13005	N S SINGH	MALE	52	2018-05-09
P008	12030	J K SHARMA	MALE	65	2018-05-09
P009	12030	R SHARMA	FEMALE	58	2018-05-09

(i) To display details of all Trains which Start from New Delhi.

(ii) To display the PNR, PNAME, GENDER and AGE of all Passengers whose AGE is below 50.

(iii) To display total number of MALE and FEMALE Passengers.

(iv) To display details of all Passengers travelling in Trains whose TNO is 12015.

	Marks Scored	Max Marks
Python Program		8
SQL Queries		4
Report File		7
Project		8
Viva Voce		3
Total		30

Internal Examiner   External Examiner

Name:_____   Name: _____

Sign: _____   Sign: _____

Examiner No: _____   Examiner No: _____

1	Create a python program named Count.py to read a text file – Mytext.txt and display the number of vowels/consonants/lower case/ upper case characters.	8
2	Consider the following tables FACULTY and COURSES. Write SQL commands for the statements (i) to (iv)	4

FACULTY

F_ID	Fname	Lname	Hire_date	Salary
102	Amit	Mishra	12-10-1998	12000
103	Nitin	Vyas	24-12-1994	8000
104	Rakshit	Soni	18-5-2001	14000
105	Rashmi	Malhotra	11-9-2004	11000
106	Sulekha	Srivastava	5-6-2006	10000

COURSES

C_ID	F_ID	Cname	Fees
C21	102	Grid Computing	40000
C22	106	System Design	16000
C23	104	Computer Security	8000
C24	106	Human Biology	15000
C25	102	Computer Network	20000
C26	105	Visual Basic	6000

i) To display details of those Faculties whose salary is greater than 12000.

ii) To display the details of courses whose fees is in the range of 15000 to 50000 (both values included).

iii) To increase the fees of all courses by 500 of "System Design" Course.

iv) To display details of those courses which are taught by 'Sulekha' in descending order of courses.

	Marks Scored	Max Marks
Python Program		8
SQL Queries		4
Report File		7
Project		8
Viva Voce		3
Total		30

Internal Examiner   **External Examiner**

Name:_____   Name: _____

Sign: _____   Sign: _____

Examiner No: _____   Examiner No: _____

1	Create a python program named One.py and copy the lines that are starting with 'V' in another file named "Vaasavi.txt"	8
2	Consider the following tables Stationary and Consumer. Write SQL commands for the statement (i) to (iv).	4

Table: Stationary

S_ID	StationaryName	Company	Price
DP01	Dot Pen	ABC	10
PL02	Pencil	XYZ	6
ER05	Eraser	XYZ	7
PL01	Pencil	CAM	5
GP02	Gel Pen	ABC	15

Table: Consumer

C_ID	ConsumerName	Address	S_ID
01	Good Learner	Delhi	PL01
06	Write Well	Mumbai	GP02
12	Topper	Delhi	DP01
15	Write & Draw	Delhi	PL02
16	Motivation	Bangalore	PL01

(i) To display the details of those consumers whose Address is Delhi.

(ii) To display the details of Stationary whose Price is in the range of 8 to 15. (Both Value included)

(iii) To display the ConsumerName, Address from Table Consumer, and Company and Price from table Stationary, with their corresponding matching S_ID.

(iv) To increase the Price of all stationary by 2.

	Marks Scored	Max Marks
Python Program		8
SQL Queries		4
Report File		7
Project		8
Viva Voce		3
Total		30

Internal Examiner   **External Examiner**

Name:_____   Name: _____

Sign: _____   Sign: _____

Examiner No: _____   Examiner No: _____

Date: 27/09/2023　　　　　　　　　　**Duration: 3 Hrs**　　　　　　　　　　**Max Marks: 30**

1	Write a python program using list to implement stack data structure and perform the following operations: a. Push(), b. Pop(), c. Display() d. Peek()	8
2	Write SQL queries for (i) to (iv)	4

TRAINER

TID	TNAME	CITY	HIREDATE	SALARY
101	SUNAINA	MUMBAI	1998-10-15	90000
102	ANAMIKA	DELHI	1994-12-24	80000
103	DEEPTI	CHANDIGARG	2001-12-21	82000
104	MEENAKSHI	DELHI	2002-12-25	78000
105	RICHA	MUMBAI	1996-01-12	95000
106	MANIPRABHA	CHENNAI	2001-12-12	69000

COURSE

CID	CNAME	FEES	STARTDATE	TID
C201	AGDCA	12000	2018-07-02	101
C202	ADCA	15000	2018-07-15	103
C203	DCA	10000	2018-10-01	102
C204	DDTP	9000	2018-09-15	104
C205	DHN	20000	2018-08-01	101
C206	O LEVEL	18000	2018-07-25	105

(i)Display the Trainer Name, City & Salary in descending order of their Hiredate.

(ii)To display the TNAME and CITY of Trainer who joined the Institute in the month of December 2001.

(iii)To display TNAME, HIREDATE, CNAME, STARTDATE from tables TRAINER and COURSE of all those courses whose FEES is less than or equal to 10000.

(iv)To display number of Trainers from each city.

	Marks Scored	Max Marks
Python Program		8
SQL Queries		4
Report File		7
Project		8
Viva Voce		3
Total		30

Internal Examiner　　　　　　　　　　　　　　　　　　　　　**External Examiner**

Name:_____　　　　　　　　　　**Name:** _____

Sign: _____　　　　　　　　　　**Sign:** _____

Examiner No: _____　　　　　　　　　　**Examiner No:** _____