

# AISSCE Practical Examination 2021

## Computer Science (083)

Duration: 3 hours

Class XII

Total Marks :30

Q.1	Write a menu driven program in Python to implement Stack Operations (Add, Delete & Display). Stack is implemented as a list of integer numbers.  OR  Write a program in Python to insert/append data in binary file "student.dat" using function appendinfo() and display all data from the above file using function displayinfo(). Fields for student file- Rollno, Name, Marks.	7
Q.2	Write a Python database connectivity script that deletes records from STUDENT table (rollno, name, marks, class) that have marks<50. Database name is SCHOOL.	5
Q.3	Report File	7
Q.4	Project	8
Q.5	Viva Voce	3

Internal Examiner

External Examiner

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## Computer Science (083)

**Duration: 3 hours****Class XII****Total Marks :30**

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Write a menu driven program in Python to implement Stack Operations (Add, Delete & Display). Stack is implemented as a list.

Q.1

OR

7

Write a program in Python to search a record from binary file "student.dat" using function searchinfo(). Fields for student file- Rollno, Name, Marks.

Write a Python database connectivity script that reads the data from user and insert new records in the table STUDENT table (rollno, name, age, city). Database name is SCHOOL.

Q.2

5

Q.3 Report File

7

Q.4 Project

8

Q.5 Viva Voce

3

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External Examiner

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**AISSCE PRACTICAL EXAMINATION- 2021**  
**COMPUTER SCIENCE - (083)**

Date: .....

Marks:30

Duration: 3 Hours

|     |                                                                                                                                                                                                                                                                                                                                                                                                   |   |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Q.1 | <p>A binary file "Book.dat" has structure [BookNo, Book_Name, Author, Price].</p> <p>a) Write a user defined function CreateFile() to input data for a record and add to Book.dat .</p> <p><b>b)</b> Write a function CountRec(Author) in Python which accepts the Author name as parameter and count and return number of books by the given Author are stored in the binary file "Book.dat"</p> | 7 |
| Q.2 | Write a program in python to display all the records of table "student" already created in MySQL.                                                                                                                                                                                                                                                                                                 | 5 |
| Q.3 | Report File                                                                                                                                                                                                                                                                                                                                                                                       | 7 |
| Q.4 | Project                                                                                                                                                                                                                                                                                                                                                                                           | 8 |
| Q.5 | Viva Voce                                                                                                                                                                                                                                                                                                                                                                                         | 3 |

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**AISSCE PRACTICAL EXAMINATION- 2021**  
**COMPUTER SCIENCE - (083)**

Date: .....

Marks:30

Duration: 3 Hours

Q.1	A binary file "student.dat" has structure [admission_number, Name, percentage]. Write a program countrec( ) in python that would read contents of file "students.dat" and display the details of those students whose percentage is above 75. Also display number of students scoring above 75%	7
Q.2	Write a program in python to add new column "contactno" of data type Varchar (length = 10) in "student" table already created in MySQL.	5
Q.3	Report File	7
Q.4	Project	8
Q.5	Viva Voce	3

**Internal Examiner****External Examiner**