Date:08/11/2024 Grade: XII	MONTHLY TEST-3(2024-25) Computer SCIENCE (083)	Max Marks:20 Time:50 min

General Instructions:
All questions are compulsory

SECTION A

1.	To open a file "c:\marks.txt" for reading, we use (a) file_read = open("c:\marks.txt", "r") (b) file_read = open("c:\\marks.txt", "r") (c) file_read = open(file = "c:\marks.txt", "r") (d) file_read = open(file = "c:\\marks.txt", "r")	1
2.	Consider the following Python statement F=open('CONTEXT.TXT') Which of the following is an invalid statement in Python? a) F.seek(1,0) b) F.seek(0,-1) c) F.seek(0,1) d) F.seek(0,2)	1
3.	To reflect the changes made in the database permanently, you need torun <connection>. _____ method. a) done() b) reflect() c) commit() d) final()	1
4.	What is the use of tell() method in Python? (a) returns the current position of record pointer within the file (b) returns the end position of record pointer within the file (c) returns the current position of record pointer within the line (d) none of the above	1
5.	*ASSERTION AND REASONING* based question. Mark the correct choice as: a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true but R is not the correct explanation of A. c) A is true but R is false d) A is false but R is true **Assertion(A):** To work with binary files, we need to import pickle module. **Reason(R):** Pickle module contains two important methods for reading and writing data to binary files, ie, load() and dump() respectively.	1

SECTION B

6.	a. Write a python program to accept a line from the user and store that in a file "story.txt".
	
	b. Suppose the content of "Thymes.txt" is
	
	Good Morning Madam
	
	What will be the output of the following Python code?
	
	``python
	F = open("Rhymes.txt")
	L=F.read().split()
	for Win L:
	    if W.lower ()== W [::-1] .lower():
	        print (W)
	``
		2

7.	Predict the output of the code given below:
	``python
	S='UVW'
	L=[10,20,30]
	D={}
	n=len(S)
	for i in range(n):
	    D[L[i]]=S[i]
	for k, v in D.items():
	    print(k, v, sep='*', end=',')
	``
		2

8.	Write a python program to create **Fees** table in the student database. Fields in the table are student_id(primary key and integer type),fees_id(integer type),amount,date.	2

SECTION C

9.	Write a python program to save the following records in class.csv. ADMNO,NAME,AGE 1151,Ajay,12 1152,Chandrika,14	3
10.	A table is given below with following details. Database:certification Table: Professional	3

Code	Course	Duration	Eligibility	Fee
C001	B Tech	4	12	850000
C002	BBA	3	12	550000
C003	M Com	2	Graduate	700000
C004	MBA	2	Graduate	1000000
C005	MCA	2	Graduate	800000

Based on the above table, your teacher has given a code to increase fee of MCA course to 900000. In the code, she left some blank spaces marked as ----(no)----- that is to be filled with appropriate variable / argument / statement. The incomplete program code is given below.

```
import -----(1)----- as MS
db=-----(2)----- .connect(host='localhost', user='root', -----(3)-----
='twelve',database="certification")
cursor=-----(4)-----
q1="update professional -----(5)----- Fee =90000 where Course
='MCA' "
try:
cursor. -----(6)-----(q1)
db.commit()
```

11.	a. Predict the output of the following
	
	``python
	v=25
	def fun(ch):
	    v=50
	    print(v,end=ch)
	    v*=2
	    print(v,end=ch)
	print(v, end='*')
	fun('!')
	print(v)
	``
	
	b. Re-write the program and under line corrected one
	
	``python
	a=5
	work=true
	b=hello
	c=a+b
	For i in range(10):
	    if i%7=0:
	        continue
	``
		2+1