Marking Scheme

<u>Class XII</u>

Computer Science (083)

Time Allowed: 3 hours

<u>Ques</u> <u>No</u>	Question and Answers	Distribution of Marks	Total Marks
	SECTION A	I	
1	False	1 mark for correct answer	1
2	Option b 6,20	1 mark for correct answer	1
3	Option c -244.0	1 mark for correct answer	1
4	PYTHON-is-Fun	1 mark for correct answer	1
5	Option b 8,15	1 mark for correct answer	1
6	Option a PAN	1 mark for correct answer	1
7	Option b del D1["Red"]	1 mark for correct answer	1
8	Option b	1 mark for correct answer	1

<u>MM: 70</u>

	ceieP0		
9	Option d	1 mark for	1
		correct	
	Statement 4	answer	
10	Option b	1 mark for	1
	YELLOW*	correct answer	
	WHITE*		
	BLACK*		
	RED*		
11	Option b	1 mark for	1
		correct	
	Modulator	answer	
12	Option c	1 mark for	1
	-1-1-1	correct	
	global b	answer	
13	True	1 mark for	1
		correct	
		answer	
14	Option c	1 mark for	1
		correct	
	A candidate key that is not a primary key is a foreign key.	answer	
15	circuit	1 mark for	1
		correct	
		answer	
16	Option c	1 mark for	1
		correct	
	seek()	answer	

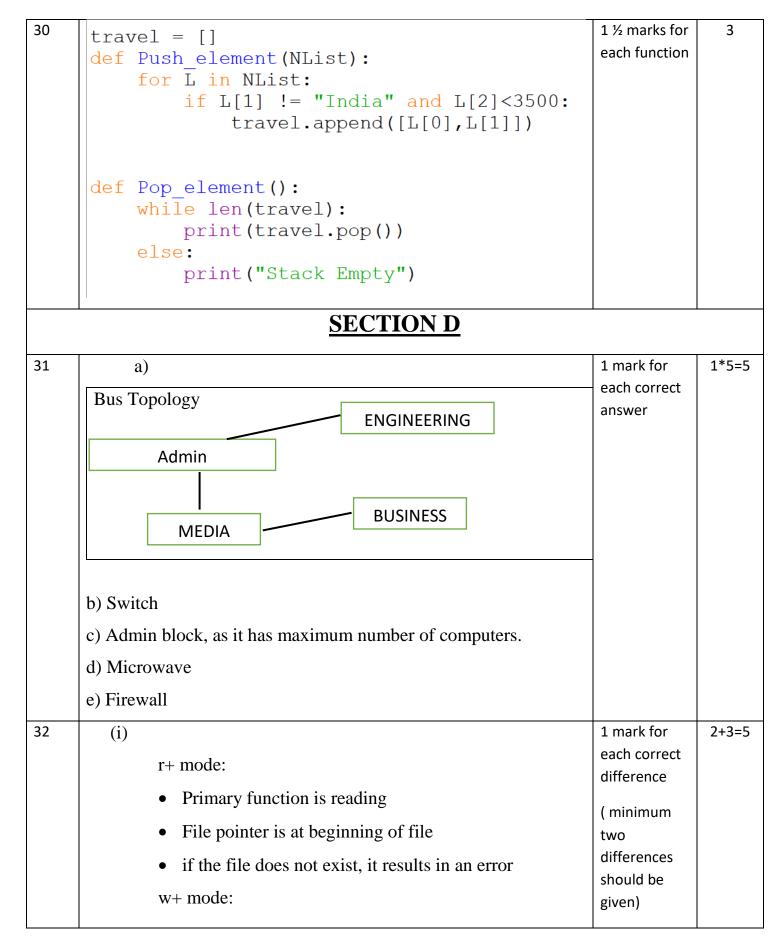
17	Option d	1 mark for	1
	A is false but R is True	correct	-
		answer	
18	Option b	1 mark for	1
		correct	
	Both A and R are true but R is not the correct explanation for A	answer	
	SECTION B		
19	(i)	½ mark for	1+1=2
		each correct	
	POP3 – Post Office Protocol 3	expansion	
	URL – Uniform Resource Locator		
	(ii)		
	HTML(Hyper text mark Up language)		
	• We use pre-defined tags		
	• Static web development language – only focuses on how		
	data looks		
	• It use for only displaying data, cannot transport data		
	• Not case sensistive		
	XML (Extensible Markup Language)	1 mark for	
		any one	
	• we can define our own tags and use them	correct	
	• Dynamic web development language – as it is used for	difference	
	transporting and storing data	No mark to	
		be awarded if	
	• Case sensitive	only full form is given	
20	def revNumber(num):	½ mark for	2
	rev = 0	each	
	rem = 0		
	while num > 0:		

	rem <u>=n</u> um %10	correction	
	rev = rev*10 + rem num = num//10	made	
	return rev		
	<pre>print(revNumber(1234))</pre>		
21		½ mark for	2
	PLACES={1:"Delhi",2:"London",3:"Paris",4:"New York",5:"Dubai"}	correct	
		function	
	def countNow(PLACES):	header	
	<pre>for place in PLACES.values():</pre>	½ mark for	
	if len(place)>5:	correct loop	
	print(place.upper())	½ mark for	
		correct if	
	countNow(PLACES)	statement	
		½ mark for	
	OR	displaying	
		the output	
		½ mark for	
	def lenWords(STRING):	correct	
	T=()	function header	
	L=STRING.split()	neduer	
	for word in L:	½ mark for	
	length=len(word)	using split()	
	T=T+(length,)	½ mark for	
	return T	adding to	
		tuple	
	Note: Any other correct logic may be marked	½ mark for	
		return statement	
		statement	

22	4*L	½ mark for	2
	33*4	each correct	
	21*S	line of output	
	10*6		
23	(i) L1.insert(2,200)	1 mark for	1+1=2
	(ii) message.endswith('.')	each correct statement	
24	SQL Command to add primary key:	1 mark for	2
	ALTER TABLE Employee ADD Empld INTEGER PRIMARY KEY;	correct ALTER TABLE command	
	As the primary key is added as the last field, the command for inserting data will be:	1 mark for correct	
	INSERT INTO Employee	INSERT command	
	VALUES("Shweta","Production",26900,999);		
	OR		
	INSERT INTO		
	Employee(EmpId,Ename,Department,Salary)		
	VALUES(999, "Shweta", "Production", 26900);		
25	10.0\$20	1 mark for	2
	10.0\$2.0###	each correct line of output	
	SECTION C		
26	ND-*34	½ mark for each correct character	3
27		1	

	(i) (i) (ii) (ii) CNAME AMINA	OUNT (DIST)	INCT SPORTS)	1 mark t each co output	
	(ii	i)			
	CNAME	AGE	PAY		
	AMRIT	28	1000		
	VIRAT	35	1050		
28	data for	j1 = ope a = fOb line in L=line if $L[0]$.split()]=="You": int(line)		ly g and files c for ly g data for loop ent c for

	<pre>def vowelCount(): fObj = open("Alpha.txt", "r") data = str(fObj.read()) cnt=0 for ch in data: if ch in "aeiouAEIOU": cnt=cnt+1 print(cnt) fObj.close() <u>Note: Any other correct logic may be marked</u></pre>	 1 mark for correctly opening and closing the files ½ mark for correctly reading data 1 mark for correct loop and if statement ½ mark for displaying the output. 	
29	(i)	1 mark for each correct	1*3=3
	UPDATE Personal SET Salary=Salary*0.5	query	
	WHERE Allowance IS NOT NULL;		
	WHERE ALLOWANCE IS NOT NOTE,		
	(ii)		
	SELECT Name, Salary+Allowance AS		
	"Total Salary" FROM Personal;		
	(iii)		
	DELETE FROM Personal		
	WHERE Salary>25000		



```
primary function is writing
        •
        • if the file does not exist, it creates a new file.
        • If the file exists, previous data is overwritten
        • File pointer is at the beginning of file
  (ii)
                                                           ½ mark for
                                                           correctly
def copyData():
                                                           opening and
     fObj = open("SPORT.DAT", "rb")
     fObj1 = open("BASKET.DAT", "wb")
                                                           closing files
     cnt=0
                                                           ½ mark for
     try:
                                                           correct try
          while True:
                                                           and except
                data = pickle.load(fObj)
                                                           block
                print(data)
                if data[0] == "Basket Ball":
                                                           ½ mark for
                     pickle.dump(data,fObj1)
                                                           correct loop
                     cnt+=1
     except:
                                                           1 mark for
           fObj.close()
                                                           correctly
           fObj1.close()
                                                           copying data
     return cnt
                                                           ½ mark for
                                                           correct
                                                           return
                                                           statement
                           OR
                   (Only for option ii)
                                                           ½ mark for
def Searchtype(mtype):
                                                           correctly
    fObj = open("CINEMA.DAT", "rb")
                                                           opening and
    try:
                                                           closing files
         while True:
              data = pickle.load(fObj)
                                                           ½ mark for
              if data[2] == mtype:
                                                           correct try
                   print("Movie number:", data[0])
                                                           and except
                   print("Movie Name:", data[1])
                                                           block
                   print("Movie Type:",data[2])
    except EOFError:
                                                           ½ mark for
         fObj.close()
                                                           correct loop
```

33	Note: Any other correct logic may be marked (i) Domain is a set of values from which an attribute can take value in each row. For example, roll no field can have only integer values and so its domain is a set of integer values	½ mark for correct if statement1 mark for correctly displaying data½ mark for correct definition½ mark for correct example	1+4=5
	<pre>(ii) import mysql.connector as mysql con1 = mysql.connect(host="localhost", user="root", password="tiger", database="sample2023") mycursor=con1.cursor() rno = int(input("Enter Roll Number:: ")) name = input("Enter the name:: ") DOB = input ("Enter date of birth:: ") fee= float(input("Enter Fee:: ")) query = "INSERT into student values({},'{}','{}',{})".format(rno,name,DOB,fee) mycursor.execute(query) con1.commit() print("Data added successfully") con1.close() Note: Any other correct logic may be marked</pre>	½ mark forimportingcorrectmodule1 mark forcorrectconnect()½ mark forcorrectlyaccepting theinput1 ½ mark forcorrectlyexecuting thequery½ mark forcorrectlyusingcommit()	

SECTION E

	SECTION E				
34	(i) SELECT PName, BName FROM PRODUCT P,	1 mark for each correct	1*4=4		
	BRAND B WHERE P.BID=B.BID;	query			
	(ii)				
	DESC PRODUCT;				
	(iii)				
	SELECT BName, AVG(Rating) FROM PRODUCT				
	P, BRAND B				
	WHERE P.BID=B.BID				
	GROUP BY BName				
	HAVING BName='Medimix' OR				
	BName='Dove';				
	(iv)				
	SELECT PName, UPrice, Rating				
	FROM PRODUCT				
	ORDER BY Rating DESC;				
35	<pre>def Accept(): sid=int(input("Enter Student ID ")) sname=input("Enter Student Name ") game= input("Enter name of game ") res=input("Enter Result") headings=["Student ID", "Student Name", "Game Name", "Result"] data=[sid, sname, game, res] f=open('Result.csv', 'a', newline='') csvwriter=csv.writer(f) csvwriter.writerow(headings) csvwriter.writerow(data) f.close()</pre>	 ¹/₂ mark for accepting data correctly ¹/₂ mark for opening and closing file ¹/₂ mark for writing headings ¹/₂ mark for writing row 	4		

def wonCount():	½ mark for
f=open('Result.csv','r')	opening and
<pre>csvreader=csv.reader(f, delimiter=',')</pre>	closing file
head=list(csvreader)	
<pre>print(head[0])</pre>	½ mark for
for x in head:	reader object
if x[3]=="WON":	½ mark for
print(x)	print heading
f.close()	P
	1/2 mark for
	printing data