## KENDRIYA VIDYALAYA SANGATHAN TINSUKIA REGION COMPUTER SCINCE (083) PRE-BOARD EXAMINATION (MARKING SCHEME) Class-XII

Max Marks-70

Time: 3 hrs

## **General Instructions:**

- 1. This question paper contains five sections, Section A to E.
- 2. All questions are compulsory.
- 3. Section A have 18 questions carrying 01 mark each.
- 4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
- 5. Section C has 05 Short Answer type questions carrying 03 marks each.
- 6. Section D has 03 Long Answer type questions carrying 05 marks each.
- 7. Section E has 02 questions carrying 04 marks each. One internal choice is given in Q35 against part C only.

	SECTION A			
1	True	1		
2	Valid variable name are (a) _d t (d) Is	1		
3	[1,2,3,4]	1		
4	If $x=10, y=20, z=30$ then print $(z-y/x+int(x/z))$ will give <b>28.0</b>	1		
5	c) ['Pre Board']	1		
6	(b) readlines()	1		
7	Alter command is used to modify the primary key in a relation in MySql.	1		
8	b) Raises FileNotFoundError	1		
9	<b>b</b> ) move file pointer 5 characters ahead from current position in file	1		
10	Device on the network responsible for storing the MAC address in a computer is -	1		
	(a) NIC			
11	Cardinality and degree of the table (b) 10, 11	1		
12	Constraint that checks if data is entered for a field in a table. (a) Not Null	1		
13	The structure of the table/relation can be displayed using command.	1		
	(b) describe			
14	Wildcard characters used in MySQL (a) %, _	1		
15	Name of file handle could be abything.	1		
	i. fout = open("MYPET.TXT",'w')			
	ii. fin = open("MYPET.TXT",'r')			
16	Module to be imported to establish connection between Python and MySql is mysql.connector	1		
Q17	7 and 18 are ASSERTION AND REASONING based questions. Mark the correct choice as			
	(a) Both A and R are true and R is the correct explanation for A			
	(b) Both A and R are true and R is not the correct explanation for A			
	(c) A is True but R is False			
	(d) A is false but R is True			
17	Assertion (A): The tuple items cannot be deleted by using the del keyword.	1		
	Reason (R): To delete an entire tuple, we can use the del keyword with the tuple name.	1		

	Answer (b)		
18	Assertion (A): CSV files are used to store the da	ata generated by various social media platforms.	1
	Reason (R): CSV file can be opened with MS E	xcel.	
	Answer (b)		
	SEC	ГION - B	
19	<sup>1</sup> / <sub>2</sub> mark for each correction done		2
	s = [11, 13, 15]		
	$\frac{\text{tot}=0}{5}$		
	for n in <u>range(len(s))</u> :		
	tot = tot + s[n]		
20	Full modes for correct output 0 for incorrect out	-mut	2
20	Full marks for correct output, 0 for incorrect out	.put.	
	rint(tyt find("th" 7 14))		
	Output: 11		
21	Patarantial Integrity is anforced using foreign k	ave as they connect two or more tables. For ag let	2
21	there be two tables CUSTOMER (CustNo, Nam	e Address) and Order (OrderNo, OrderDate	
	OrderName CustNo) Now if the tables are not	connected using foreign keys and if a customer who	
	has made an order is deleted, then it will be not	possible to fulfil the order. Hence, foreign keys	
	constraint are used so that this problem does not	arise. This is called as referential integrity.	
	There could be other relevant examples also.		
22	Angreen A7D5C2D1		2
	Full marks for correct answer. 0 for incorrect a	nswer	
23	Expand the following terms: 1/2 mark for each c	orrect answer	2
23	i. PPP - Point to Point Protocol		
	ii. HTTP – Hyper Text Transfer Protoco	ol	
	iii. POP – Post Office Protocol		
	iv. FTP – File Transfer Protocol		
24	2 advantages of Star topology –		2
	1. Eazy to expand		-
	2. Reliable – Node failure does not cause n	etwork failure.	
	Or any other two advantages.		
	OR		
	4 unguided media – Radiowave, Microwave, Sa	tellite, Infrared (1/2 mark for each correct media)	
25	Difference between DROP and DELETE comm	and in SQL	2
	DROP	DELETE	
	It is DDL command to physically remove a table	It is DML command. It is used to remove data from a	
	Syntov	table.	
	Drop table <tablename>.</tablename>	Symax. Delete from  where <condition>:</condition>	
	Or any other two differences (half mark for each	ch difference)	
	OR		
			1

	HAVING	WHERE	
	Used with Group By clause on groups of rows.	It works on one row at a time.	
	Example	Syntax:	
	Select count(empid), deptt	Select *	
	From employee	From employee	
	Group by deptt	Where address = 'delhi';	
	Having count(deptt)>2;		
	Or some other (half mark for each difference)		
	SECT	TION - C	
26	def Change(VALUES):	1 mark for for loop	3
	<pre>for i in range(len(VALUES))</pre>	1 lark for condition	
	if i%2 == 1:	$\frac{1}{2}$ mark for multiplying by 2	
	num[i] = num[i] * 2	<sup>1</sup> / <sub>2</sub> mark to print	
	print(VALUES)	Any other relevant code can also be considered.	
27	dof digplay yords().	1/ mark for an arise file in connect mode	2
21	fin = onon (LDADA TYTEL Int)	<sup>7</sup> 2 mark for opening file in correct mode	5
	nara-fin road()	<sup>7</sup> 2 mark for read junction	
	lat = para split()	<sup>4</sup> 2 mark for spill junction	
	for word in lat:	$\frac{1}{2}$ mark for for loop	
	if lon (word) >5.	<sup>4</sup> 2 mark for condition	
	II Iell(word) >5:	<sup>1</sup> /2 mark for display and close	
	fin close()		
	1111.CIOSe()	Other working code is also allowed	
		UR	
	<pre>def display_lines():</pre>		
	<pre>fin = open('PARA.TXT','r')</pre>	<sup>1</sup> / <sub>2</sub> mark for opening file in correct mode	
	count=0	<sup>1</sup> / <sub>2</sub> mark for readlines function	
	<pre>lst=fin.readlines()</pre>	<sup>1</sup> /2 mark for loop	
	for line in 1st:	<sup>1</sup> /2 mark for strip and split function	
	<pre>l = line.strip().split()</pre>	<sup>1</sup> / <sub>2</sub> mark for condition and increment	
	if l[0]=='It':	<sup>1</sup> /2 mark for display and close	
	count = count+1		
	print(count)	Other working code is also allowed	
	fin.close()		
28	1 mark for correct sql query. 0 for incorrect or p	partially correct answer.	3
	Outputs of the SQL queries (a) to (c) based on the	ne relation STOCK	
	i) SELECT * FROM STOCK ORDER BY Stkd	ate DESC;	
	ii) SELECT * FROM STOCK WHERE Dcode=	102 AND $Qty > 50;$	
	iii) SELECT Itname, Dcode, Qty FROM STOC	X WHRE Qty BETWEEN 50 AND 100;	
29	Write outputs for the following SQL queries bas	ed on table EMP and DEPT	3
	One mark for each correct output. No mark for a	ncorrect answer	
	i) dno MAX(salary)		
	10 6000		
	15 6000		
	20 7000		



32	Output: 22 #40 #9 #13 #		2
(a)	2 marks for correct answer, 0 for incorrect.		
32	1 mark for each correct statement. 0 for incorr	rect.	3
(b)	Write the following missing statements to com	plete the code:	
	Statement $1 - $ to form the cursor object		
	Statement $2 - $ to execute the command that ins	erts the record in the table Student.	
	Statement 3- to add the record permanently in	the database	
	import mysql.connector as mydb		
	mycon = mydb.connect (host = "localhost", use	er = "root", passwd = "system", database =	
	"Admin")		
	$cursor = \underline{mycon.cursor()} $ #Statement I		
	sql = "UPDATE BOOK SET PRICE = PRICE	E + 100 WHERE Book_Name like '%C++%'''	
	cursor. <u>execute(sql)</u> #Statement 2		
	mycon.commt() #Statement 3		
	mycon.ciose()		
33	1 mark for each correct answer. No marks for	incorrect one.	
	a) import csv # Statement 1		
	b) <u>csywriter.writerow(headings)</u> # State	ment 2	
	c) csvwriter.writerows(data) # Staten	nent 3	
	d) csv. <u>reader(f)</u> : # Statement	4	
	e) Output		
	['Country', 'Capital', 'Game']		
	['India', 'Delhi', 'Hockey']		
	['USA', 'Washington DC', 'Ice Hockey']		
	['New Zealand', 'Wellington', 'Rugby']		
	OR		
	import pickle	<sup>1</sup> / <sub>2</sub> mark for import file	
	def read binary():	$\frac{1}{2}$ mark to declare tuple	
	tup=()	$\frac{1}{2}$ mark to open file	
	fin = open('staff.dat'.'rb')	1 mark for try and except block	
	try:	1 mark for using pickle.load function	
	tup = pickle.load(fin)	1 mark for condition and print data	
	if $tup[3] > 5000$ :	$\frac{1}{2}$ mark to close file	
	print(tup)		
	except:		
	print('some error occured')		
	fin.close()		
	SEC'	TION – E	
34	<i>1 mark each for correct answer. No mark for pa</i> a) SELECT * FROM PRODUCTS WHERE M	artially correct query. Manufacturer <> 'Samsung';	1
	b) SELECT PName FROM PRODUCTS WH	ERE Manufacturer = 'Samsung';	1
	c) SELECT PName FROM PRODUCTS WH	ERE Price > 20000;	1 1
	d) SELECT PName FROM PRODUCTS WH	ERE PName like 'W%'	_

35 a)	Statement 6 will be printed	1+1+2
	1 mark for correct answer, 0 for incorrect one	
b)	If location is Chennai and he is paid more than or equal to Rs. 100000 1 mark even if answer says more than 100000. 0 for incorrect one	
c)	No way I accept the offer 1 mark for each correct line of output, 0 for incorrect one	