

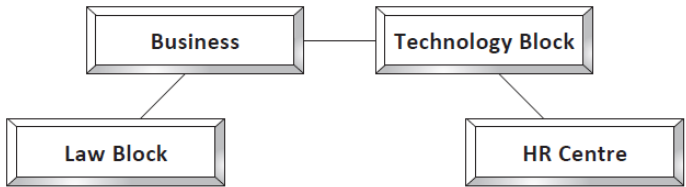
Subject Code: 20-21/CS/C**Kendriya Vidyalaya Sangathan****Jaipur Region****Pre Bord 2020-21****Class: XII Session: 2020-21****Computer Science (083)****Maximum Marks: 70****Time Allowed: 3 hours****Marking Scheme**

Q.No	Answer	Marks
1	No	1
2	iii. = =	1
3	ii Total iv _Data	1
4	i. List iii. Dictionary	1
5	3	1
6	Foreign Key	1
7	Telnet is an internet utility that lets us log on to a remote computer system. A user is able to log in the system for sharing of files without being the actual user of that system.	1
8	True	1
9	XML-Extensible Markup Language SMS-Short Messaging Service ½ marks for each	1
10	VBScript, JavaScript, ASP, PHP, PERL and JSP etc	1
11	Hello WorldWorldWorldWorldWorld	1
12	Math,random	1
13	classstudent={12101:'Rahul',12102:'Ravi',12103:'Mahesh' }	1
14	Create table command Drop table Command	1
15	iv. 2	1
16	Order By	1
17	i. Optical Fibre	1
18	i. Degree 5, Cardinality 45	1
19	count(*)	1
20	={'salary':10000,'name':'Mahesh'}	1
21	HTML (Hyper Text Markup Language) is used to create Hypertext documents (web pages) for websites.	1
22	(a) LINE 1 : csv (b) LINE 2 : writer (c) LINE 3: r (d) LINE 4: close()	

	(e) E105 Parth E101 Arunima E102 Prahalad	
23	i. Degrre-4 Cardinility-5 ii. AdmissionNo iii. insert into student values(012368,'Kamlesh','Sharma','2004-01-01') iv. Delete command v. Drop table student One mark for each(Any Four)	4
24	A file is opened using “w” mode to write content into the file. A file is opened using “r” mode to read content into the file. Example: def Create(): file=open('NOTES.TXT','w') S="This is a sample" file.write(S) file.close() def Read(): file=open('NOTES.TXT','r') Lines=file.readline(); print(Lines) file.close()	2
25	fetchone() method will return only one row from the resultset in the form of tuple containg records. fetchmany(n) method will return only the n number of rows from the resultset in the form of tuple containing the records. Any example. 1 Mark for definition and 1 mark for example	2
26	A Primary Key is an attribute of a Table which has a unique value for each of the records and can be used to identify a record of the table. Example with a table. 1 Mark for significane and 1 mark for example	2
27	The original String is: Hello how are you The modified String is: H*ll* h*w *r* y**	2
28	x=int(input("Enter value for x:")) for y in range(0,11): if x==y: print(x+y) else: print (x-y)	2
29	A protocol means the rules that are applicable for a network, or we can say the common set of rules used for communication in network. ---1 marks e.g. HTTP,FTP,PPP,SMTP,POP etc ----- 1 marks of OR Viruses require an active host program or an already-infected and active operating system in order for viruses to run, cause damage and infect other executable files or documents Worms are stand-alone malicious programs that can self-replicate.	2

30	The list of identifiers used in a function call is called actual parameter(s) whereas the list of parameters used in the function definition is called formal parameter(s). Actual parameter may be value / variable or expression. Formal parameter is an identifier. Example: <code>def area(side):</code> # line 1 <code>return side*side;</code> <code>print(area(5))</code> # line 2 In line 1, side is the formal parameter and in line 2, while invoking area() function, the value 5 is the actual parameter. A formal parameter, i.e. a parameter, is in the function definition. An actual parameter, i.e. an argument, is in a function call.	2
31	30#40#50#	2
32	DROP command is used to drop a table along with all the records stored in it whereas DELETE command is used to delete all the records or some of the records from a table without deleting the table.	2
33	<pre>string=input("Enter a string") length=len(string) mid=int(length/2) rev=-1 for a in range(mid): if string[a]==string[rev]: a+=1 rev-=1 else: print("string is not palindrome") break else: print("string is palindrome")</pre>	2
34	i. 200000, 65000 ii. Vijay Singh Tomar President 130000 Sumit Sinha Vice President 110000 Mohit Kumar Vice President 125000 iii. 101 1 102 2 103 2	3
35	<pre>def countH(): f=open("para.txt","r") lines=0 l=f.readlines() for i in l: if i[0]='H': lines+=1 print("NO of lines are:",lines)</pre> OR <pre>def countmy(): f=open("Data.txt","r") count=0 x=f.read()</pre>	3

	<pre> word=x.split() for i in word: if i=="my" : count=count+1 print("my occurs ", count, "times") </pre>	
36	<pre> def PUSH(Arr,value): s=[] for x in range(0,len(Arr)): if Arr[x]%5==0: s.append(Arr[x]) if len(s)==0: print("Empty Stack") else: print(s) def popStack(st) : # If stack is empty if len(st)==0: print("Underflow") else: L = len(st) val=st[L-1] print(val) st.pop(L-1) </pre>	1 ½ 1 ½
37	<pre> def LShift(Arr,n): L=len(Arr) for x in range(0,n): y=Arr[0] for i in range(0,L-1): Arr[i]=Arr[i+1] Arr[L-1]=y print(Arr) </pre>	3
38	(i) select ClientName, City from Client where City = 'Mumbai' or City = 'Delhi'; (ii) update Product set Price = Price + 0.10 * Price; (iii) select ProductName, Manufacturer, ExpiryDate from Product where ExpiryDate <= '2010-12-31'; (iv) select C_ID, ClientName, City, ProductName from Client Left Join Product on Client. P_ID = Product.P_ID; (v) select ProductName, Manufacturer, ClientName from product,client Where product.P_ID=Client.P_ID and city='Mumbai'	5 1 mark each
40	<pre> import pickle f1 = open('emp.dat','rb') e = pickle.load(f1) for x in e: </pre>	5

	<pre> print(x) f1.close() import pickle f1 = open('emp.dat','rb') e = pickle.load(f1) for x in e: if(e[x]>=25000 and e[x]<=30000): print(x) f1.close() </pre> OR <pre> # Program to update the name of the student from the binary file import pickle f = open("student", "rb+") stud_rec = pickle.load(f) # To read the object from the opened file found = 0 rollno = int(input("Enter the roll number to search:")) for R in stud_rec: rno = R[0] if rno == rollno: print("Current name is:", R[1]) R[1] = input("New Name:") found = 1 break if found == 1: f.seek(0) # Taking the file pointer to the beginning of the file pickle.dump(stud_rec, f) print("Name Updated!!!") f.close() </pre>	
39	(a)  <pre> graph TD Business[Business] --- TechnologyBlock[Technology Block] Business --- LawBlock[Law Block] TechnologyBlock --- HRCentre[HR Centre] </pre> (b) HR centre because it consists of the maximum number of computers to house the server. (c) Switch should be placed in each of these blocks. (d) MAN (e) star	5 1 mark each