KENDRIYA VIDYALAYA SANGATHAN, JAIPUR REGION
PREBOARD EXAMINATION 2022-23
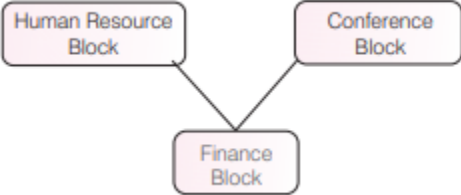### Class: XII Session: 2022-23 Computer Science (083)
Answer Key [S-1]

Q.No.	Answer	Marks
1	Grant	1
2	Class	1
3	Ans: (a) dict_fruit.update(dict_vegetable)	1
4	Ans. (a) True	1
5	0 3 6 9 12 15	1
6	Rw	1
7	Ans. (d) drop	1
8	Ans. (d) ALTER TABLE	1
9	(d) both b and c	1
10	(b)Foreign Key	1
11	Ans: (b) Number of bytes already read from the file	1
12	Ans. Count	1
13	(b) message switching	1
14	(c) 23	1
15	Ans. (c) distinct( )	1
16	(c) any one of (a) or (b)	1
17	Option (a) is correct	1
18	Option (b) is correct	1

19	Ans: <u>def</u> execmain():
	    x = input("Enter a number:")
	    if (abs(x)<u>==</u> x)<u>:</u>
	       print("You entered a positive number")
	    else:
	       x<u>*</u>=-1
	      print("Number made positive:"<u>,</u>x)
	½ mark for each error correction
		2

20	Coaxial	Fiber	
	1. Relatively cheaper	1. Relatively costly	2
	2. less reliable	2. More reliable	

<div align="center">OR</div>

Sender, Receiver, transmission media, protocol, message

Q.No.	Answer	Marks
21	(a) !!ot nr (b) dict_items(('title','you can win'),('copies',15),('author','Shiv Khera'),('genre','Motivation'))	2
22	2 marks for correct answer	2
23	Ans. (a) (i) File Transfer Protocol (ii) Media Access Control (a) Telnet is a network protocol used to virtually access a computer and to provide a two-way, collaborative and text-based communication	2

	channel between two machines.	
24	unchanged (30, 50) changed (16, 50) unchanged (16, 22) changed (11, 22) OR (30,60,90)	**2**
25	Ans: DDL provides statements for creation and deletion of the database tables, views, etc. The DDL provides a set of definitions to specify the storage structure in a database system. Some DDL statements are as follows (i) CREATE used to create new table in the database. (ii) DROP used to delete tables from the database. (iii) ALTER used to change the structure of the database table. This statement can add up additional column, drop existing, and even change the data type of columns involved in a database table. (iv) RENAME used to rename a table. DML provides statements for manipulating the database objects. It is used to query the databases for information retrieval. Some DML statements are as follows- (i) INSERT used to insert data into a table. (ii) SELECT used to retrieve data from a database. (iii) UPDATE used to update existing data within a table. (iv) DELETE used to delete all records from a table OR Ans: The difference between WHERE and HAVING clause is that WHERE condition are applicable on individual rows whereas HAVING condition are applicable on groups as formed by GROUP BY clause.	**2**
26	26. (a) Ans: (b) Ans: i. 6 ii. ii. 10 iii.	**1** **½ x4 =2**

26. (a) Ans:

ACode	Name	Type	City
A01	Amit	Savings	Delhi
A01	Amit	Savings	Ajmer
A02	Parth	Current	Jaipur

(b) Ans:
i. 6
ii.

Class
7
8
9
10

ii.   10

iii.

Game1	Count(*)
Cricket	2
Tennis	2
Swimming	1

	Basketball	1	

27	Ans:
	def COUNTLINES() :
	    file = open ('TESTFILE.TXT', 'r')
	    List = file.readlines()
	    count=0
	    for line in List:
	        words=line.split()
	        if words[0].lower() in ('a','an','the'):
	           count = count + 1
	    print("The number of lines starting with any article are :", count)
	    file.close()
	
	        OR
	
	Ans:
	def GPCount() :
	    file = open ('STORY.TXT', 'r')
	    content = file.read()
	    for i in content:
	      if i.lower()== 'g':
	        countG = countG + 1
	      if i.lower()== 'p':
	          countP = countP + 1
	    print ("The number of G or g : ", countG)
	    print ("The number of P or p : ", countP)
	    file.close()
	Note: Any other relevant and correct code may be marked
		3

28	i. <table><tr><td>Vice principal</td><td>01</td></tr></table> ii. 16 iii. UMESH YASHRAJ iv. <table><tr><td>5</td><td>Male</td></tr><tr><td>2</td><td>Female</td></tr></table> (b) drop table <table name.>;	**3**

29	def Lshift(L):
	  L = L[1:]+L[0]
	  print(L)
		3

30	Books=[]
	Def Addnew (books,name):
	  Books.append(name)
	  Print("book1:",name,"inserted")
	 Def remove(books):
	  If books==[]:
	      Print("stack is empty")
	  Else:
		3

	Print("book:",books.pop(), "deleted")
	 1 marks for each correct definition
	 1 marks for each statement
	 OR
	
	 N=[12,12,34,56,21,79,98,22,35,38]
	 def PUSH(S,N):
	        S.append()
	 def POP(S):
	        If S!=[]:
	                return S.pop()
	        else:
	        return None
	 ST=[]
	 for k in N:
	        if k%2==0
	        PUSH(ST,k)
	 while True:
	        If ST![]:
	                print(POP(ST),end=" ")
	        else:
	        break		

31	(i) TTC should install its server in finance block as it is having maximum number of computers. (ii) The layout is based on minimum cable length required, which is 120 metres in the above case. (iii) Satellite Link. (iv) Switch. (v) LAN	**5**	

32.	a) 40#6#
	 (b) 1 mark for each correct statement
	                       OR
	 (a)Ans: : 1600
	          2600
	 (b) 1 mark for each correct statement
	
	 Statement 1: con1.cursor()
	 Statement 2: mycursor.execute("select * from student where Marks>80")
	 Statement 3: mycursor.fetchall()
		5	

33	(a) Comma separated value (b) (i) def InsertRow(): import csv	**1+2+2**	

```
        f=open("class.csv","a+",newline="")
        rno=int(input("Enter roll no. :"))
        name=int(input("Enter name :"))
        marks=int(input("Enter marks :"))
        wo=csv.writer(f)
        wo.writerow([rno, name, marks])
        f.close()
 (b)(ii)
 def COUNTD():
        import csv
        count=0
        f=open("class.csv","r")
        ro=csv.reader(f)
        for i in ro:
                if i[2]>75:
                        count+=1
        return count
```

                                    OR
Which statement will be used to create a csv writer object in Statement 2.
   (i) Choose the correct option for Statement 3 to write the names of the
        column headings in the CSV file, BOOKS.CSV.
   (ii) Which statement will be used to read a csv file in Statement 4.
   (iii)   Fill in the appropriate statement to check the field Title
        starting with 'R' for Statement 5 in the above program.
   (i)   a
   (ii)   csv.writer(csvf)
   (iii) cw.writerow(['Title','Author','Price'])
   (iv)   csv.reader(csvf)
   (v)   r[0][0]=='R'

| 34 | (i)   Ans: ROLL_NO
 (ii)   Ans: New Degree: 8 New Cardinality: 5
 (iii)   a. INSERT INTO RESULT VALUES (108, 'Aadit', 470, 444, 475, 'I');
 b. UPDATE RESULT SET SEM2=SEM2+ (SEM2*0.03) WHERE SNAME LIKE "N%";
 OR (Option for part iii only)
 a. DELETE FROM RESULT WHERE DIV='IV';
 b. ALTER TABLE RESULT ADD (REMARKS VARCHAR(50)); | 4 |
| 35 | (i) F= open("STUDENT.DAT",'wb')
 (ii) pickle.dump(L,F)
 (iii) R = pickle.load(F)
 (iv) Total / Countabove75 | 4 |

Maximum Marks: 70   **Time Allowed: 3 hours**

General Instructions:

1. This question paper contains five sections, Section A to E.

2. All questions are compulsory.

3. Section A has 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. Internal choice is given in Q34 for part c only.

8. All programming questions are to be answered using Python Language only.

	SECTION A	
1.	Assign a tuple containing an Integer?	1
2.	Which of the following is valid identifier? a) Serial_no. b) total-Marks c) _Percentage d) Hundred$	1
3.	Add a pair of parentheses to each expression so that it evaluates to True. a) 2 + 3 == 4 + 5 == 7 b) 0 == 1 == 2	1
4.	What will be the output of following expressions: a) 2**3**2 b) (2**3)**2	1
5.	Consider the following program and predict the output: num1 = input("Enter a number and I'll triple it: ") #num1=8 num1 = num1 * 3 print(num1)	1
6.	Which of the following is used to read n characters from a file object " f1 " . a)f1.read(n) b)f1(2) c)f1(read,2) d) all of the above	1
7.	Name DDL command from following. a) drop b)select c)insert d)update	1
8.	What is the default date format of Mysql. a)' dd-mm-yy' b)' d-m-y ' c)' yyyy-mm-dd' d) None	1
9.	Which of the following statement(s) would give an error after executing the following code?	1