



INDIAN SCHOOL DARSAIT
FIRST TERM EXAMINATION, SEPTEMBER 2019
INFORMATICS PRACTICES (065)
SAMPLE PAPER



Class: XI C

Date: 09-09-2019

Name: _____

Max.Marks: 70

Time: 3 Hours

General Instructions:

(i) All questions are compulsory.

1. a) Name any two mobile operating systems. 1
- b) Expand the following abbreviations: 1
- i. ALU
- ii. DRAM
- c) Explain the various measuring units in a computer system. 1
- d) What is the difference between compiler and interpreter? 2
- e) What is the importance of CPU? 2
- f) Define computer and its parts? 3
2. a) Write the full form of: 1
- i. DDL
- ii. RDBMS
- b) Define Candidate Key and Alternate Key. 2
- c) Write any two datatypes in SQL. 1
- d) List any two aggregate functions in SQL. 1
- e) Explain LIKE operator in SQL. 2
- f) Differentiate between : 2
- i. Delete and Drop table command
- ii. Update and Alter table command
- g) Study the following table “student” : 1

Adno	Name	Class	Section	Fees
111	AnuJain	12	A	2500
222	MohitSharma	11	B	4500
333	K.P.Gupta	12	B	3000
444	Ajit Kumar	10	A	2000
555	Nandini	12	C	3000
666	RohanSharma	11	B	2500

Write the output based upon Student table given above.

- i. SELECT * FROM student ORDER BY fees DESC;
- ii. SELECT MIN(fees), COUNT(Fees) FROM student;

3. a) Write the queries upon EMP table as given below:

10

TABLE: EMP

<u>EmpNo</u>	<u>EmpName</u>	<u>Job</u>	<u>Mgr</u>	<u>Hiredate</u>	<u>Sal</u>	<u>Comm</u>	<u>DeptNo</u>
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JAN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		NULL
7369	SMITH	CLERK	7902	17-DEC-80	800		NULL
7788	SCOOT	ANALYST	7566	09-DEC-82	3000		20
7876	ADAMS	CLEARC	7788	12-JAN-83	1100		20
7943	MILLER	CLEARC	7782	23-JAN-82	1300		NULL

- i. Display all the records from the table.
- ii. Write a query to display employee name, salary and department number who are not getting commission.
- iii. List all unique department number in the table.
- iv. List details of all clerks who have not been assigned department as yet.
- v. List the details of those employee who have four lettered names.
- vi. List the details of all the employee whose annual salary is between 25000 - 40000.
- vii. How many job types are offered to employees?
- viii. List the details of employee who earn more commission than their salaries.
- ix. Write a query to display the name of employee whose name contains 'A' as third alphabet.
- x. Write a query to display the name of employee who is having 'L' as any alphabets of the name.

4. a) What do you mean by eavesdropping?

1

b) Differentiate between adware and malware.

2

c) What are cookies? How are they used by websites to track you?

2

- d) Define the following: 2
- i. Cyber Stalking
 - ii. Cyber Trolls
- f) Robin searched the net to purchase a wrist watch and a football. Now, whenever he goes online, he gets advertisements about sports items and wrist watches. 3
- a) Why does this happen?
 - b) How could Robin avoid this?
 - c) How can Robin get rid of this?
5. a) Name the acronym of IDLE. 1
- b) What is the different between interactive mode and script mode in Python 2
- c) When we write a statement like 1
- a, b, c, d=1,2,3,4
What does you call it?
- d) Which of the following are not valid string in Python? 1
- i. "Hello"
 - ii. 'Hello'
 - iii. Hello
 - iv. [Hello]
- e) Name any two data types in Python. 1
- f) Identify the valid identifiers from the following : 1
- i. First Name
 - ii. MyFile
 - iii. _age
 - iv. 8marks
- g) What will be the size of the following constants: 2
- | | |
|-------------------------|------------------------|
| i. \ab | ii. "seena\'s pen" |
| iii. "ab\
cd\
ef" | iv. ''' a
b
c''' |
- h) Name the types of strings supported in Python 1
6. a) Define **sep** and **end** argument of print() function with examples. 2
- b) What will be return by Python as a result of following statements? 1
- i. type(3/2)
 - ii. type("true")

- c) What will be the output of following code? 2
`str1, str2="CBSE", "Python"
x, y=8,6
print(y, x)
y, x, y=x, y-3, x+5
print(x, y)
print(str2,"\t",str1)
print("Hello\nWorld")`
- d) Write a program to obtain length and breadth of a rectangle and calculate its area. 2
- e) Find the result of given expressions. 3
`A, B, C, D=10, 5, 4, 2
print(A+D**C-B)
print(B%C*A-D)
print(D!=B)`
7. a) How many ways are there to work with Python? Mention them. 1
- b) List the various tokens allowed in Python. 1
- c) Give the output of the code below: 2
`x = 10
x = x+10
x = x-5
print(x)
x, y = x-2, 22
print(x, y)`
- d) Write a Python program to accept the length and breadth from the user and calculate the perimeter of a rectangle. 3
- e) Write a program in Python to read and find out the square of any number. 3