



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