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SET	B
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**INDIAN SCHOOL MUSCAT  
HALF YEARLY EXAMINATION 2023  
INFORMATICS PRACTICES (065)**

**Answer Key**



CLASS : XI  
DATE: 26.09,2023

TIME ALLOTTED : 3 HRS.  
MAXIMUM MARKS: 70

**GENERAL INSTRUCTIONS:**

1. This question paper contains four sections, Section A to C.
2. All questions are compulsory.
3. Section A has 21 questions carrying 01 mark each.
4. Section B has 16 Very Short Answer type questions carrying 02 marks each.
5. Section C has 04 Short Answer type questions carrying 04 marks each.
6. All programming questions are to be answered using Python Language only.

SECTION - A		
1.	Define for loop in python. Explanation 1 mark	1
2.	Full Form of DML is _____ Data Manipulation Language	1
3.	_____ is used to check the condition in python. selection	1
4.	What is the wrong in the following command? Select deptno from emp whose sal=NULL; select deptno from emp where sal is null;	1
5.	_____ symbol is used to find the remainder in python. %	1
6.	Identify the error in the following command: Update table emp fix sal=sal+10 where deptno=20; update emp set sal=sal+10 where deptno=20;	1
7.	What is a constraint? Write any one constraint name. It is rule the table should follow all the time. Unique key, not null, Primary key	1
8.	Write a command which is used to delete a table from the database. Drop table tablename;	1
9.	Define NOT null with an example. User must enter some value under the filed specified.	1
10.	Write the command name which is used to change the table structure. Alter	1
11.	Write a Command which is used to display all the records from the table. Select	1
12.	_____ command is used to display the structure of the table in MySQL. DESC table name	1
13.	What is the value of a >>>a=24+34%2 >>>a            24	1
14.	Define Cardinality. Number of rows in a table	1

15.	What will be the data type of the following variable? A='A01' (c) String	1
16.	What is the use of INSERT command in MySQL? Used to add a new record to the table.	1
17.	Find the output of the following: a=2 b=4 X=a**b Print(X) 16	1
18.	Each statement in python is terminated by (d) None	1
19.	Find the output of the following: >>>print("Welcome");print("ISM") Welcome ISM	1
20.	Find the value of x and y >>>B,x,b,y=10,20,30,40 >>>print(B) >>>print(b) 10 30	1
21.	Assertion: (A) Database consists of number of tables (R ) Each table comprises of rows and columns Both A and R are true and R is the correct explanation for A	1
<b>SECTION -B</b>		
22.	How Delete command is different from Drop command? Explain with an example. Delete command explanation and example 1 mark Drop command explanation example 1 mark	2
23.	What is the difference between Alter and Update? Explain with an example. Alter Command explanation example 1 mark update command explanation example 1 mark	2
24.	Write any two advantages of Database. Any valid advantages 1+1	2
25.	What is wrong in the following commands a) Select * from emp where deptno=NULL; select * from emp where deptno is null; b) Delete Ename from emp where ename like "t%"; delete from emp where ename like 't%';	2+2
26.	Write any two features of MySQL Free of cost, Query Language, Platform Independent or any valid point s 1+1	2
27.	Write a MySQL command to open the data base named as EMPLOYEE and display all the tables from the database. USE EMPLOYEE; Show tables; 1+1	2

28.	<table><tr><td>EMPID</td><td>ENAME</td><td>DEPTNO</td><td>SAL</td></tr><tr><td>2345</td><td>RAHAUL</td><td>20</td><td>2000</td></tr><tr><td>6789</td><td>MANISH</td><td>20</td><td>4000</td></tr><tr><td>1234</td><td>SAHIL</td><td>30</td><td>3500</td></tr><tr><td>6789</td><td>MARTIN</td><td>40</td><td>1600</td></tr></table> <p>a) Write a Query to decrease the salary by 5% those who are all in the department number 20. Update employee set sal=sal-sal*5/100 where deptno=20; 2 marks</p> <p>b) Write a Query to List out all the Employee Names and their salary whose salary is in between 2000 and 4000 select ename, sal from employee where sal between 2000 and 4000;</p>	EMPID	ENAME	DEPTNO	SAL	2345	RAHAUL	20	2000	6789	MANISH	20	4000	1234	SAHIL	30	3500	6789	MARTIN	40	1600	2+2
EMPID	ENAME	DEPTNO	SAL																			
2345	RAHAUL	20	2000																			
6789	MANISH	20	4000																			
1234	SAHIL	30	3500																			
6789	MARTIN	40	1600																			
29.	Write a Python code to accept any 2 numbers from the user and find the product of them. Accepting numbers 1 mark find the product 1 mark	2																				
30.	Define variable in python. Explain with an example. Temporary memory location value keeps on changing . a=20	2																				
31.	What a range() function does ? Give an example generate sequence pf numbers 1 mark. Giving proper example 1 mark	2																				
32.	What is the syntax of if-elif statement in Python? If condition : Statement elif condition: statement else: statement	2																				
33.	What will be the output of the following? (a) 2**2 =4 (b) 29//5 =4 1 +1	2																				
34.	Write a Python code to accept any number from the user and check the number is “ODD” or “EVEN”. Accept the number 1 /2 mark Check the condition 1 mark Print the result ½ mark	2																				
35.	Write a Program to generate the multiplication table based on the accepted number. Accept the number : ½ mark Using for loop ½ mark printing the tbale format 1 mark	2																				
	<b>SECTION-C</b>																					
36.	Write a Python program to accept any Salary from the user and calculate the Allowances as follows: if the salary is greater than 30000 then discount is 20% of the salary, if the salary is greater than 20000 then discount is 12% of the sales amount, other wise 7% of the sales amount. Accept the salary 1 mark Keeping conditions 2 mark Printing result 1 mark	4																				
37.	Write a Python code to accept any number from the user and count how many even numbers and odd numbers are there separately.	4																				

	Accepting any number ½ mark using for loop 1 mark checking condition 1 mark printing result 1 mark	
38.	Write a Python code to accept any number from the user and print the factors of the accepted number. Accepting any number 1 mark using for loop 1 mark finding factors 1 mark and print the result 1 mark	4
39.	Write a Python code to accept any 5 subject marks from the user and find the total and average, then display the result if the average is greater than 40 as “Pass” otherwise “FAIL”. Accepting any 5 subject marks 1 mark finding total 1 mark average 1 mark and printing the result 1 mark	4
<b>****END OF THE QUESTION PAPER****</b>		