| ROLL NUMBER | | | | |
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# INDIAN SCHOOL MUSCAT
## HALF YEARLY EXAMINATION 2023
## INFORMATICS PRACTICES (065)

CLASS : XI

DATE: 26.09.2023

TIME ALLOTED     : 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. | 1 |
| 2. | Full Form of DML is _____ | 1 |
| 3. | _____ is used to check the condition in python. | 1 |
| 4. | What is the wrong in the following command?<br>Select deptno from emp whose sal=NULL; | 1 |
| 5. | _____ symbol is used to find the remainder in python. | 1 |
| 6. | Identify the error in the following command:<br>Update table emp fix sal=sal+10 where deptno=20; | 1 |
| 7. | What is a constraint? Write any one constraint name. | 1 |
| 8. | Write a command which is used to delete a table from the database. | 1 |
| 9. | Define NOT  null with an example. | 1 |
| 10. | Write the command name which is used to change the table structure. | 1 |
| 11. | Write a Command which is used to display all the records from the table. | 1 |
| 12. | _____ command is used to display the structure of the table in MySQL. | 1 |
| 13. | What is the value of a<br>>>>a=24+34%2<br>>>>a | 1 |
| 14. | Define Cardinality. | 1 |

15. What will be the data type of the following variable?    1
A='A01'
    (a) Integer     (b) Float     (c) String     (d) None

16. What is the use of INSERT command in MySQL?    1

17. Find the output of the following:    1
a=2
b=4
X=a**b
Print(X)

18. Each statement in python is terminated by    1
    (a) ; (Semi Colon)   (b) : (Colon)   (c) (Comma)    (d) None

19. Find the output of the following:    1
>>>print("Welcome");print("ISM")

20. Find the value of x and y    1
>>>B,x,b,y=10,20,30,40
>>>print(B)
>>>print(b)

21. Assertion: (A) Database consists of number of tables    1
(R ) Each table comprises of rows and columns
    a) Both A and R are true and R is the correct explanation for A
    b) Both A and R are true and R is NOT the correct explanation for A
    c) A is true R is false
    d) A is false R is true

## SECTION -B

22. How Delete command is different from Drop command? Explain with an example.    2

23. What is the difference between Alter and Update? Explain with an example.    2

24. Write any two advantages of Database.    2

25. What is wrong in the following commands    2+2
    a) Select * from emp where deptno=Null;
    b) Delete Ename from emp where ename like "t%";

26. Write any two features of MySQL    2

27. Write a MySQL command to open the data base named as EMPLOYEE and display all the tables from the database.    2

28. Table: Employee

| EMPID | ENAME | DEPTNO | SAL |
|-------|-------|--------|------|
| 2345 | RAHAUL | 20 | 2000 |
| 6789 | MANISH | 20 | 4000 |
| 1234 | SAHIL | 30 | 3500 |
| 6789 | MARTIN | 40 | 1600 |

    a) Write a Query to decrease the salary by 5% those who are all in the department number 20.    2+2
    b) Write a Query to List out all the Employee Names and their salary whose salary is in between 2000 and 4000

| 29. | Write a Python code to accept any 2 numbers from the user and find the product of them. | 2 |
|---|---|---|
| 30. | Define variable in python. Explain with an example. | 2 |
| 31. | What a range() function does ? Give an example | 2 |
| 32. | What is the syntax of if-elif statement in Python? | 2 |
| 33. | What will be the output of the following?<br>(a) 2**2    (b) 29//5 | 2 |
| 34. | Write a Python code to accept any number from the user and check the number is "ODD" or "EVEN". | 2 |
| 35. | Write a Program to generate the multiplication table based on the accepted number. | 2 |

## SECTION-C

| 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. | 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 |
| 38. | Write a Python code to accept any number from the user and print the factors of the accepted number. | 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". | 4 |

****END OF THE QUESTION PAPER****