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**INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2023
INFORMATION TECHNOLOGY (802)**



CLASS : XII
DATE: 26.09.2023

TIME ALLOTTED : 3 HRS.
MAXIMUM MARKS: 60

GENERAL INSTRUCTIONS:

1. *Read the Questions carefully and write the answer.*
2. *All Questions of a Particular section must be attempted in the correct order.*

SECTION - A

1. _____ symbol replaces a single character while matching a pattern with LIKE key word. 1
2. In MySQL _____ constraint does not allow duplicate value and null value. 1
3. Define Cardinality. 1
4. Define Referential Integrity. 1
5. Create Table is _____ - command. 1
6. Write the command which is used to add a new record to the table. 1
7. What do you understand by the Term "Unique Key"? 1
8. What is the use of ALTER command in MySQL? 1
9. Define Cartesian Product. 1
10. Full form of DDL is _____ 1
11. _____ command displays all the databases from MySQL. 1
12. **Identify the error and rewrite the query:**
Select * from Item Where Price=NULL 1
13. The _____ command is used to view the structure and description of a table. 1
14. Database can be removed by using _____ command. 1
15. RDBMS packages are widely used as _____ (Front end / Back end) 1
16. if ((percentage >= 40)&& (percentage < 60))
{System.out.println("PASSED with II Division");}
Consider the above statement, && will check for both the conditions
to be :
(a) True
(b) False
(c) Any of the above

(d) None of the above

17. Write any two e-governance web site names. 1
18. Write any one benefits of online learning. 1
19. Define Design Phase of the Web application. 1
20. What do you understand by the term "Front end". 1
21. Define Byte code. 1
22. Which if the following is not a Keyword in JAVA?
Break, While , for ,switch , Display 1
23. What do you mean by on line shopping? Give any one web site name. 1

Answer any 2 out of 3 Questions

24. What is a method? What is the significance of main() method? 2
25. Explain any two relational and Logical Operator of JAVA with an example. 2
26. Write a Java program to assign any character from the user and display the corresponding character is VOWEL or Not. (use switch... case) 2

Answer any 2 out of 3 Questions

27. Define the term web application and give any one the benefits of online learning. 2
28. Define e-Governance and write any one advantage of e-Governance. 2
29. What are the precautions to be taken while performing Online Transactions? 2

Answer any 4 out of 5 Questions

30. a) Number of attributes in a table is called _____ of a table. 1+1=2
b) To avoid repetition in the result of a SELECT Query _____ Clause is used.
31. a) State the role of a DBA (Database Administrator) 1+1=2
b) Write a Command to delete all the records from EMP table.
32. Identify the error in the following query 2
a) Select name, marks from student table where name="h%";
b) Delete * from emp;
33. Write a Query to display all the table names from EMPLOYEE database. 2
34. What is the difference between DDL and DML? Explain with an example. 2

Answer any 2 out of 3 Questions

35. Table: Employee

Empno	Ename	Deptno	Sal	Comm
3123	Kathir	10	35000	200
7654	Jaya	20	40000	200
1234	Gargi	null	30000	100
5423	Hari	30	25000	250

- a) Write a Query to increase the salary of all the employees by 40 those who are all from department number 10 and 30.

1+1+1

- b) Write a Query to list out all the employee names and their salary whose Department number is not yet fixed.
 - c) Write a Query to display all the employee details whose name starts with the character 'a'.
36. a) Define Iteration. 1
 b) Write a JAVA code to print all the even numbers from 45 to 100(use for loop). 2
37. a) What are the advantages of Online Reservation System? Explain any 2. 2
 b) Name the first e-governance site in INDIA. 1

Answer any 3 out of 5 Questions

38. What is selection structure? What are the selection structures provided in java? 2+2
39. What is the difference between ALTER and UPDATE command in mysql? Explain with an example. 2+2
40. Explain the difference between Entry Level loop and Exit level loop with an example. 2+2=4
41. How Having Clause is different from Where Clause? Explain with an example. 4
42. (a)What is the purpose of comments in Java Program? How are comments displayed in Java? 2
 (b) Define compiler. Why is it needed? 2

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

Shai Singh