INDIAN SCHOOL MUSCAT
SECOND PRE-BOARD EXAMINATION 2023-24
INFORMATION TECHNOLOGY (802)

CLASS : XII   TIME ALLOTED   : 3 HRS.
DATE: 14.01.2024   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

Q1. **Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)**

1. Rhea loves interacting with people and is, generally, talkative. She can easily make friends and make any gathering lively, is confident. Identify the type of personality Reema possesses.   1
   (a) Nervous
   (b) Extrovert
   (c) Paranoid
   (d) Agreeable

2. Ms Sharma has saved marks of all students in a spreadsheet. What should she do to find out three students with the highest total marks?   1

3. "Green Skills" are primarily focused on _____   1

4. _____ is defined as the drive required to engage in goal-oriented behaviour   1

5. What is a Start up?   1

6. State true or false. "Self-Motivation is significant in building one's personality. "   1

Q2. **Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)**

1. The size of Integer datatype in java is _____bit.   1

2. _____ is a special method that every Java application must have   1

3. Choose the correct MySql command to delete the column SALARY from EMPLOYEE table   1
   (a) Delete salary from employee;
   (b) Drop salary from employee;
   (c) Alter table Employee Drop column SALARY;
   (d) Alter table employee Delete Column Salary;

4. Define JVM.   1

5. _____ are real time lectures, where users participate in the lecture, may ask questions and get their queries answered. 1

6. A group of statements which get executed based on a condition in java is called _____. 1
   (a) Selection (b) Sequential (c) Iteration (d) None of these

7. Define Primary key. 1

Q3. **Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)**

1. Write any two importance of DBMS. 1

2. Name two domains where database management may be used. 1

3. A Table Employee contains 5 rows and 3 columns after adding 3 column's and 5 rows what is the cardinality and degree? 1

4. What is wrong in the following Query? 1
   Delete ename from emp;

5. If a=50 and b=25 What will be the value of a%=b? 1

6. The Phase of application development that involves creating a database and writing code is called_____ 1

7. Define variable. 1

Q4. **Answer any 5 out of the given 6 questions (1 x 5= 5 marks)**

1. Write any one E-learning web site name. 1

2. While entering the data in the table, Suja is not able to leave the column age as blank in the table. What can be the possible reason? 1

3. Write any two modes of payment during online shopping 1

4. What is the use of System.out.println("Welcome"); 1

5. Why the following query is not executing? 1
   Select ename from emp where depno=NULL:

6. Which member function of the Integer wrapper class allows access to the int value held in it? 1

Q5. **Answer any 5 out of the given 6 questions (1 x 5= 5 marks)**

1. Amit has declared an array whose last element is having an index/position as 10. What would be the size of this array?

2. In the table EMP, Rhea doesn't want repeated values in column salary. Rewrite the correct command.
   select salary from EMP;

3. What is the purpose of wait () method in java threads? 1

4. What is the use of try block in JAVA exception? 1

5. Reshma wants to input the price of shoes as 543.99 .What should be the datatype and size of the column price in the table? 1

6. Write the full form of IDE. 1

Q6. **Answer any 5 out of the given 6 questions (1 x 5= 5 marks)**

1. Write the command to see the structure of a table? 1

2. Reshma is booking a railway ticket using an online ticketing website makemytrip.com. When she reached to catch the train she found that she left the ticket at her hotel. What should she do?   1
   (a) she can't board the train
   (b) she should book a new ticket at station
   (c) she should go back and get the ticket
   (d) She can download the e-ticket from the website

3. what is the size of float in java   1

4. What is the MYSQL command to list the names of students in alphabetical order in the student table?   1

5. What is the use of foreign key?   1

6. What is the difference between the following two java statements?   1
   (a) int x=5;
   (b) integer y= new integer(50);

SECTION B: SUBJECTIVE TYPE QUESTIONS
Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)
Answer each question in 20 – 30 words.

7. What is a workbook? Name any one spreadsheet application.   2

8. What do we mean by SMART goals?   2

9. What are the various organizational skills required to become a successful entrepreneur?   2

10.. Explain any two methods to deal with stress.   2

11. What are the essential components of effective written communication?   2

Answer any 3 out of the given 5 questions (2 x 3 = 6 marks)

12. What will be the value of rem after the execution of the following code snippet? why?   2
    ```
    int icode =1;
    switch(code) {
    case 1: rem= 34;
    case 2: rem= 90;
    case 3: rem= 100; break;
    case 4: rem= 11; break;}
    ```

13. The following commands are giving errors. Write the correct MYSQL commands.   2
    (a)alter table student remove column marks;
    (b)select * from employee where name LIKE ='%s%';

14. Ms Prabha has mistakenly entered ''ANITH'' instead of ''ANITHA'' in name field of table 'EMPLOYEE'. Help her to write the correct SQL command to make the desired changes in the table   2

15. A company is making database of its items and shipment. Item table includes item code, item name, item cost . Give details of Shipment Table along with its schema

16. How Exit level loop is different from Entry Level Loop? Explain with and example.   2

Answer any 2 out of the given 3 questions (3 x 2 = 6 marks)

17. Complete the code in JAVA using a loop to print "WELCOME" 10 times: 1+1+1
    _____ (int i = 1; i <= 5; _____)
    {
    _____("WELCOME");
    }

18. a. SAM wants to display the details of employee whose name not starts from s.   1+1+1
    Find errors in given MySQL command and write the correct statement.
    select* from employee where name =" *s";

    b. Classify them into DDL or DML commands Select, delete, create, alter

19. Explain the application of Database management systems in school.   3

                Answer any 3 out of the given 5 questions (4 x 3 = 12 marks)
20. Write a single line Java code using String methods to perform the following tasks   4
    String STR = ''school WELCOMES'';
        i.   Convert the characters to capital letters.
        ii.   Find the total length of string.
        iii.   Extract the word ''COME" from the Original string.
        iv.   Add "2024" at the end of the string.

21. a.   Name the user defined method in the code given below. Also predict the output
           static int result(int x)   2+2(4)
           { return (x+50); }
           public static void main(String[] args)
           { System.out.println(result(5)); }

    b. Explain any two access modifiers.

22. Mr. Arun wants to go for a business trip .He is thinking of booking a flight.   1+1+1+
    (a) Name any one site which he should browse for booking an air ticket.   1 (4)

    (b) Give any one benefit of online reservation to Amit?

    (c) What are the precautions to be followed while performing online transactions?

    (d) Give any one advantage to the company providing online reservation?

23. Write a code in java using a while to display all even numbers between 11 to 30. Is while 4
    loop an entry-controlled loop loop or exit control loop?

24. Consider the following tables and write Mysql Commands
STORE

StoreId	StoreName	Location	NoOfEmployee	OpeningYear	OwnerId
S101	Libas	Delhi	45	2007	A145
S102	Life Style	Mumbai	68	2000	B178
S103	Vogue	Mumbai	50	1999	B178

OWNER

Owner Id	Owner Name
A145	Divyam Prakash
B178	Neha Sultan
D112	Gargi Chhabra

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a. Write a query to display all the storename,location and Owner Name from both the tables.
b. Write a Query to display all the store details whose opening year is 2007.
c. Write a Query to list the store details of Divyam Prakash.
d. Write a Query to display the store details whose name not ends with character"e".