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

CLASS : XI
DATE: 26/09/2023

TIME ALLOTED   : 3 HRS.
MAXIMUM MARKS: 60

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully.

2. This Question Paper consists of two sections – Section A & Section B.

   - SECTION A - EMPLOYABILITY SKILLS

   - SECTION B – SUBJECT SPECIFIC SKILLS

SECTION A: EMPLOYABILITY SKILLS

1. **Answer any 3 out of the given 4 questions (1 x 3= 3 marks)**

i. Rahul wants to check details of the document such as word count, page number etc., Which component of the Libre office will he check?   1

    a. Title bar

    b. Status bar

    c. Tool bar

    d. Menu bar

ii. Write the default file extension of LibreOffice Writer document.   1

iii. Which menu option in LibreOffice Writer has the commands Image, Chart and Shape?   1

iv. You are writing a letter to the editor of a newspaper. How can you use LibreOffice Writer to make your letter more visually appealing?   1

2. **Answer any 1 out of the given 2 questions (1 x 2= 2 marks)**

i. Write the difference between Cut, Copy and Paste options.   2

ii. What is Header and Footer in LibreOffice Writer?   2

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

i.   Identify the computer characteristic: 1

     The ability of the computer to perform tasks with the same speed and accuracy.

ii. What is the difference between a computer virus and a worm?   1

iii. Based on geographical span, network can be broadly categorized as _____ , _____ ,   1

     _____ , and _____ .

iv. Define the term **relation** in RDBMS.   1

v.   _____ datatype in MySQL is a variable length string from 1 to 255 characters in length.   1

vi. In which topology, a backbone cable is used to connect computers in a network.   1

vii. Which of the following storage is termed as Magnetic media?   1

     a. Hard disk

     b. RAM

     c. ROM

     d. Cache memory

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

i.   An electronic device that converts Digital to analog signals and analog to Digital signals to   1
     transmit information over the network.

     a. Bridge   b. Repeater

     c. Hub   d. Modem

ii. Programs/Instructions present inside the computer is called ……………..   1

iii. What is the importance of PRIMARY KEY constraint in MySQL?   1

iv. Define Cyber Law.   1

v.   Define Denial of Service.   1

vi. Which SQL command is used to display internal structure of the table.   1

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

i.   What is the importance of power supply unit?   1

ii. _____ keyword used in SELECT command of MySQL eliminates repeated values from   1
     displaying.

iii. CREATE TABLE is a type of _____ command.   1

iv. Expand the term HTTP.   1

v. Explain Disk defragmenter. 1

vi. Define the term channel in networking. 1

Answer any 6 out of the given 7 questions (2 x 6 = 12 marks)

6. Write the difference between Compiler and Interpreter. 2

7. Explain LIKE operator with an example. 2

8. Write any four functions of operating System. 2

9. Define the terms Record and Field in MySQL? Give example. 2

10. Explain UPDATE table command with an example. 2

11. Explain Domain names with an example. 2

12. What is the purpose of network devices? Explain following network devices. 2
    (a) Repeater
    (b) Hub

Answer any 5 out of the given 6 questions (3 x 5 = 15 marks)

13. Define the three types of communication taking place in a computer network. 3

14. Define Operating System with an example. What do you mean by Batch processing system? 3

15. List any three protective measures for network security. 3

16. Write any three methods of troubleshooting Printer problems. 3

17. What is the difference between the Primary Key, Candidate Key & Alternate Key 3

18. Identify the error in the following SQL commands and rewrite the correct queries. 3

    a. SELECT from * books;

    b. DELETE from table books m1===78;

Answer any 3 out of the given 4 questions (4 x 3 = 12 marks)

19. Write a SQL statement for the following commands: 4

    a. Create Database GAMES & Select the database

    b. Create Table GAMER with the following fields

FIELD	TYPE	CONSTRAINTS
GID	INT(2)	PRIMARY KEY
GNAME	VARCHAR(20)	UNIQUE
GENDER	VARCHAR(10)	
DOB	DATE	

20. Based on the given table, answer the following questions.   4

TABLE NAME : STUDENT

sno	sname	english	maths
10	Arun	50	60
11	David	43	90
12	Rahul	80	68
13	Sam	30	48

Write SQL commands:

a. Display student details of sno 11 and 12.

b. Display student name and English marks of all the students.

c. Display student details of student whose name starts with 'D'

d. Modify English marks of David to 100.

21 Explain IPO cycle. Draw Block diagram of Computer.   4

22 Define Topology. Explain the following Topologies with diagram.   4

   a. STAR TOPOLOGY   b. BUS TOPOLOGY

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

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2. This Question Paper consists of two sections – Section A & Section B.

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SECTION A: EMPLOYABILITY SKILLS

1. **Answer any 3 out of the given 4 questions (1 x 3= 3 marks)**

i. Which of the statements below is correct?   1

   a. Headers are text or images inserted in the bottom margin.

   b. Headers are used to insert borders in a document.

   c. If you insert a footer in one page, it will appear on all pages.

   d. You cannot insert date, time, page number, etc., in a header or footer.

ii. If you _____ something in the 'track change' mode, it will not disappear; instead, a visible   1
strike will appear through it.

iii. You are writing a letter to the editor of a newspaper. How can you use LibreOffice Writer to   1
make your letter more visually appealing?

iv. Which menu option in LibreOffice Writer has the Save, Print, and Close commands?   1

2. **Answer any 1 out of the given 2 questions (1 x 2= 2 marks)**

i. What is Header and Footer in LibreOffice Writer?   2

ii. Write the difference between Save and Save as option.   2

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

  i. Identify the computer characteristic: 1

    The ability of the computer to mimic human traits of decision making.

  ii. What is the difference between a computer virus and a worm?   1

  iii. Based on geographical span, network can be broadly categorized as _____, _____,   1
    _____, and _____.

  iv. Define the term **relation** in RDBMS.   1

  v. _____ datatype in MySQL accepts numeric values with decimal places.   1

  vi. In which topology every node is connected to every other node in the network?   1

  vii. Which of the following storage is termed Magnetic media?   1

      a. Hard disk

      b. RAM

      c. ROM

      d. Cache memory

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

  i. An electronic device that converts Digital to analog signals and analog to Digital signals to   1
    transmit information over the network.

      a. Bridge   b. Repeater

      c. Hub   d. Modem

  ii. The physical electronic component of the computer is called _____.   1

  iii. What is the importance of NOT NULL constraint in MySQL?   1

  iv. Define Cyber Law.   1

  v. Define Eavesdropping.   1

  vi. Which SQL command is used to see a list of tables present in the current database?   1

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

  i. What is the importance of power supply unit?   1

  ii. _____ keyword used in SELECT command of MySQL eliminates repeated values from   1
    displaying.

  iii. INSERT is a type of _____ command.   1

  iv. Expand the term TCP/IP.   1

v. Explain Disk Cleanup. 1

vi. Define the term channel in networking. 1

Answer any 6 out of the given 7 questions (2 x 6 = 12 marks)

6. Write the difference between Interpreter and Compiler. 2

7. Explain BETWEEN operator with an example. 2

8. Write any four functions of operating System. 2

9. Define the terms Record and Field in MySQL? Give example? 2

10. Explain ALTER table command with an example. 2

11. Define transmission medium. What are the two types of transmission medium? 2

12. What is the purpose of network devices? Explain following network devices. 2
(a) Repeater
(b) Hub

Answer any 5 out of the given 6 questions (3 x 5 = 15 marks)

13. Write any three methods of troubleshooting Sound Problems 3

14. Define Operating System with an example. What is real time operating system? 3

15. List any three protective measures that can be taken for network security. 3

16. Define the three types of communication taking place in a computer network. 3

17. What is the difference between the Primary Key, Candidate Key & Alternate Key 3

18. Identify the error in the following SQL commands and rewrite the correct queries. 3

    a. UPDATE table STUDENT m1=100;

    b. SELECT from * books where m1<78;

Answer any 3 out of the given 4 questions (4 x 3 = 12 marks)

19. Write a SQL statement for the following commands: 4

    a. Create Database GAMES & Select the database

    b. Create Table GAMER with the following fields

FIELD	TYPE	CONSTRAINTS
GID	INT(2)	PRIMARY KEY
GNAME	VARCHAR(20)	UNIQUE
GENDER	VARCHAR(10)	
DOB	DATE	

20. Based on the given table, answer the following questions. 4

TABLE NAME : FURNITURE

Fid	Type	Price	Weight
F298	Double Bed	40000	25
F192	Sofa	46000	22
F231	Dressing Table	15000	8

Write SQL commands:

a. Display price of Double bed.

b. Display details of furniture whose price is more than 20000 and less than 40000.

c. Replace the type of F192 from "Sofa" to "Sofa-set".

d. Display Type and weight details of the furniture.

21 Explain Input and Output devices with two examples each. 4

22 Define Topology? Explain the following Topologies with diagram 4

    a. RING TOPOLOGY   b. BUS TOPOLOGY

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