

الكلية : هندسة الحاسوب والمعلوماتية

المادة : تحليل رياضي

اسم مدرس المادة: د. عمار دركل

..... اسم الطالب :

..... رقم الطالب :

الفصل الدراسي: الأول 2025/2026

Q1) Choose the correct answer (41 m):

1) What is a primary key in a database? (v4)

- A) A unique identifier for each record
- B) A duplicate value for each record
- C) An optional field
- D) A calculated field

2) Which SQL statement is used to extract data from a database? (v2)

- A) SELECT
- B) GET
- C) EXTRACT
- D) OPEN

3) In relational databases, normalization is used to: (v20)

- A) Eliminate data redundancy
- B) Create more tables
- C) Increase data access speed
- D) Reduce indexing

4) Which clause is used in SQL to filter the records? (v15)

- A) WHERE
- B) HAVING
- C) ORDER
- D) GROUP

5) What is a primary key in a database? (v14)

- A) A unique identifier for each record
- B) A duplicate value for each record
- C) An optional field
- D) A calculated field

6) In SQL, which keyword is used to sort the result-set? (v26)

- A) ORDER BY
- B) SORT
- C) GROUP BY
- D) ARRANGE

7) Which SQL function is used to count the number of rows in a SQL query? (v8)

- A) COUNT()
- B) SUM()
- C) TOTAL()
- D) NUMBER()

8) What does SQL stand for? (v41)

- A) Structured Query Language
- B) Strong Question Line
- C) Simple Query Language
- D) Structured Question Language

9) Which command is used to remove all records from a table in SQL? (v3)

- A) DELETE
- B) REMOVE
- C) DROP
- D) CLEAR

11) Which command is used to remove all records from a table in SQL? (v43)

- A) DELETE
- B) REMOVE
- C) DROP
- D) CLEAR

13) Which SQL function is used to count the number of rows in a SQL query? (v28)

- A) COUNT()
- B) SUM()
- C) TOTAL()
- D) NUMBER()

15) Which SQL function is used to count the number of rows in a SQL query? (v48)

- A) COUNT()
- B) SUM()
- C) TOTAL()
- D) NUMBER()

17) In SQL, which keyword is used to sort the result-set? (v6)

- A) ORDER BY
- B) SORT
- C) GROUP BY
- D) ARRANGE

19) Which clause is used in SQL to filter the records? (v5)

- A) WHERE
- B) HAVING
- C) ORDER
- D) GROUP

10) Which SQL statement is used to extract data from a database? (v22)

- A) SELECT
- B) GET
- C) EXTRACT
- D) OPEN

12) What is a primary key in a database? (v24)

- A) A unique identifier for each record
- B) A duplicate value for each record
- C) An optional field
- D) A calculated field

14) In relational databases, normalization is used to: (v40)

- A) Eliminate data redundancy
- B) Create more tables
- C) Increase data access speed
- D) Reduce indexing

16) Which command is used to remove all records from a table in SQL? (v23)

- A) DELETE
- B) REMOVE
- C) DROP
- D) CLEAR

18) Which SQL statement is used to extract data from a database? (v12)

- A) SELECT
- B) GET
- C) EXTRACT
- D) OPEN

20) Which clause is used in SQL to filter the records? (v25)

- A) WHERE
- B) HAVING
- C) ORDER
- D) GROUP

21) Which command is used to remove all records from a table in SQL? (v13)

- A) DELETE
- B) REMOVE
- C) DROP
- D) CLEAR

23) What does SQL stand for? (v31)

- A) Structured Query Language
- B) Strong Question Line
- C) Simple Query Language
- D) Structured Question Language

25) In relational databases, normalization is used to: (v10)

- A) Eliminate data redundancy
- B) Create more tables
- C) Increase data access speed
- D) Reduce indexing

27) Which SQL statement is used to extract data from a database? (v32)

- A) SELECT
- B) GET
- C) EXTRACT
- D) OPEN

29) Which command is used to remove all records from a table in SQL? (v33)

- A) DELETE
- B) REMOVE
- C) DROP
- D) CLEAR

31) In SQL, which keyword is used to sort the result-set? (v16)

- A) ORDER BY
- B) SORT

22) Which SQL function is used to count the number of rows in a SQL query? (v38)

- A) COUNT()
- B) SUM()
- C) TOTAL()
- D) NUMBER()

24) In SQL, which keyword is used to sort the result-set? (v46)

- A) ORDER BY
- B) SORT
- C) GROUP BY
- D) ARRANGE

26) Which clause is used in SQL to filter the records? (v35)

- A) WHERE
- B) HAVING
- C) ORDER
- D) GROUP

28) Which SQL function is used to count the number of rows in a SQL query? (v18)

- A) COUNT()
- B) SUM()
- C) TOTAL()
- D) NUMBER()

30) Which SQL statement is used to extract data from a database? (v42)

- A) SELECT
- B) GET
- C) EXTRACT
- D) OPEN

32) In SQL, which keyword is used to sort the result-set? (v36)

- A) ORDER BY
- B) SORT

- C) GROUP BY
- D) ARRANGE

33) What does SQL stand for? (v1)

- A) Structured Query Language
- B) Strong Question Line
- C) Simple Query Language
- D) Structured Question Language

35) What is a primary key in a database? (v44)

- A) A unique identifier for each record
- B) A duplicate value for each record
- C) An optional field
- D) A calculated field

37) Which clause is used in SQL to filter the records? (v45)

- A) WHERE
- B) HAVING
- C) ORDER
- D) GROUP

39) In relational databases, normalization is used to: (v50)

- A) Eliminate data redundancy
- B) Create more tables
- C) Increase data access speed
- D) Reduce indexing

41) What is a primary key in a database? (v34)

- A) A unique identifier for each record
- B) A duplicate value for each record
- C) An optional field
- D) A calculated field

- C) GROUP BY
- D) ARRANGE

34) A FOREIGN KEY in one table points to a _____ in another table. (v7)

- A) PRIMARY KEY
- B) FOREIGN KEY
- C) UNIQUE KEY
- D) ALTERNATE KEY

36) What does SQL stand for? (v11)

- A) Structured Query Language
- B) Strong Question Line
- C) Simple Query Language
- D) Structured Question Language

38) What does SQL stand for? (v21)

- A) Structured Query Language
- B) Strong Question Line
- C) Simple Query Language
- D) Structured Question Language

40) In relational databases, normalization is used to: (v30)

- A) Eliminate data redundancy
- B) Create more tables
- C) Increase data access speed
- D) Reduce indexing