MYSQL

Q.no 1 Which of the following mathematical functions returns the smallest integer value greater than the argument?	
A. Ceiling	B. Round
C. Floor	D. Truncate
Correct Answer: A	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 284, Heading 12.4.3	

Q.no 2 _____ command is used to remove rights or privileges from user accounts.	
A. Cancel	B. Revoke
C. Remove	D. Drop
Correct Answer: B	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 451, Heading 16.3.1	

Q.no 3 Which of the following command is used to select a particular database?	
A. Use	B. Select
C. Show	D. Display
Correct Answer: A	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 127	

Q.no 4 Identity the number of bytes occupied by the DATETIME data type.	
A. 3	B. 4
C. 8	D. 1
Correct Answer: C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 94, Table 4.3	

Q.no 5 Which of the following statements is not true about the primary key? 　　　1. Primary key is used to uniquely identify each row in a table 　　　2. Primary key allows only a single NULL value 　　　3. Primary key can consist of one or more fields 　　　4. Primary key specifies that two a column cannot contain similar values	
A. 1	B. 3
C. 2	D. 4
Correct Answer: C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 188	

Q.no 6 Which of the following specifies the number of columns that can be included in a single index?	
A. 10	B. 64
C. 16	D. 255
Correct Answer: C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 97, Table 4.6	

Q.no 7 Which of the following are the correct commands to insert a record in the table? [Multiple Choice]

A. INSERT INTO Emp_Details VALUES(101, 'MARK', '2005-05-15','MANAGER')	B. INSERT INTO Emp_Details(EmpId, EmpName, Date_Of Join, Designation) VALUES(101 'MARK', '2005-05-15', 'MANAGER')
C. INSERT INTO TABLE Emp_Details VALUES(101, 'MARK', '2005-05-15', 'MANAGER')	D. INSERT INTO Emp_Details SET EmpId=101 EmpName='MARK', Date_of Join='2005-05-15', Designation='MANAGER'

Correct Answer: A, B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 195

Q.no 8 Which of the following queries will display all the records of the Emp_Department table in ascending order based on their designation?

A. SELECT * FROM Emp_Department ORDER BY Designation ASC	B. SELECT * FROM Emp_Department ORDER_BY Designation
C. SELECT * FROM Emp_Department ORDER BY Designation	D. SELECT * FROM Emp_Department ORDERBY Designation

Correct Answer: A

Reference: Book name: Storing and Manipulating data using MySQL, Page no 207

Q.no 9 Which of the following statements about stored procedures are true? [Multiple Choice]

A. Providing a parameter list to CREATE PROCEDURE is optional	B. Stored procedures are case-sensitive
C. Stored procedures cannot be imported from one database system to another	D. Stored procedures are saved in the table mysql proc

Correct Answer:A, C, D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 514, Heading19.2

Q.no 10 Which of the following statements are true with respect to transactions? [Multiple Choice]

A. START TRANSACTION statement cannot affect any existing transaction as the attributes set cannot be used within the current transaction.
B. After a transaction is terminated. it implicitly begins a new one
C. A transaction must maintain consistency of the database even if there is a failure
D. Successful completion of a transaction is like executing a COMMIT statement and an unsuccessful one is like executing a ROLLBACK statement.

Correct Answer: C, D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 522 - 525

Q.no 11 For which of following instances indexes can be used? [Multiple Choice]

A. To look up rows in a table with a multiple-column index	B. To compare columns of same type

C. To compare columns of different types	D. To obtain the MIN() or MAX() value for a particular indexed column key_column

Correct Answer: A, B, D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 562

Q.no 12 Under which of the following instances. the query cache cannot be used? [Multiple Choice]	
A. Any User-Defined Functions (UDFs) or stored functions are a part of the query	B. Any user variables, local stored program variables or partitioned tables are part of the query
C. If tables in mysql. INFORMATION_ SCHEMA or performance_schema database are referred to	D. In transactions with InnoDB tables

Correct Answer: A, B, C

Reference: Book name: Storing and Manipulating data using MySQL, Page no 569

Q.no 13 Which of the following statements showing the difference between the FLOAT and DOUBLE data type is correct?

1. They both represent floating point numbers. A FLOAT is for single-precision, while a DOUBLE is for double-precision numbers
2. They both represent floating point numbers. a Float is more accurate
3. They both represent floating point numbers The use of DOUBLE should be limited to monetary data
4. They both represent floating point numbers and cannot be unsigned

A. 1	B. 3
C. 2	D. 4

Correct Answer: A

Reference: Book name: Storing and Manipulating data using MySQL, Page no 92, Table 4.1

Q.no 14 Which of the following commands is used to retrieve data from one or more tables?	
A. Select	B. View
C. Compute	D. Show

Correct Answer: A

Reference: Book name: Storing and Manipulating data using MySQL, Page no 143

Q.no 15_____ clause is used to restrict the records retrieved by a query by using a condition.	
A. When	B. From
C. Having	D. Where

Correct Answer: D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 144

Q.no 16 Which of the following options compares a table with itself?	
A. Inner Join	B. Cross Join
C. Outter Join	D. Self Join

Correct Answer: D

Q.no 17 Which of the following statements are true with respect to EXPLAIN statement? [Multiple Choice]

A. When EXPLAIN is used with FOR CONNECTION connection_id instead of an allowed statement it provides the execution plan for the statement mentioned For versions prior to MySQL 5.7.3. EXTENDED keyword

B. Allowed statements for EXPLAIN are SELECT. DELETE. INSERT. REPLACE. and UPDATE

C. Use FORMAT option to choose the output format.

D. Using the TRADITIONAL keyword displays output in tabular format.

Correct Answer: A, B, C

Reference: Book name: Storing and Manipulating data using MySQL, Page no 572

Q.no 18 When server creates an internal temporary table (either in memory or on-disk), it increments the _____status variable.

A. Created_disk_tables	B. Created_tmp_tables
C. Created_tmp_disk_tables	D. Created_disk_temp_tables

Correct Answer: C

Reference: Book name: Storing and Manipulating data using MySQL, Page no 577

Q.no 19 Which of the following storage engines is the default to handle tables in MySQL?

A. InnoDB	B. BLACKHOLE
C. EXAMPLE	D. MyISAM

Correct Answer: D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 96, Table 4.6

Q.no 20 _____ is the process of structuring the data in a table to minimize duplication and inconsistency

A. E-R Diagram	B. Indexes
C. Views	D. Normalization

Correct Answer: D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 104, Heading 4.5

Q.no 21 _____ is used to establish a relationship between two tables

A. Primary Key	B. Foreign Key
C. Composite Key	D. Candidate Key

Correct Answer: B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 189

Q.no 22 Which of the following enables faster searches and efficient organization of data in a database table?	
A. Views	B. Foreign key
C. Primary key	D. Indexes
Correct Answer: D	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 133, Line 1	

Q.no 23 Which of the following commands is used to add new records into a table.	
A. Insert	B. Delete
C. Update	D. Replace
Correct Answer: A	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 193	

Q.no 24 Which of the following clauses in as select statement can be used to specify the conditions in a join? [Multiple Choice]	
A. ON	B. WHERE
C. USING	D. HAVING
Correct Answer: A,C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 226	

Q.no 25 Which of the following functions returns the number of unique values in a column?	
A. COUNT(expression)	B. COUNT(DISTINCT expression)
C. COUNT(*)	D. COUNT()
Correct Answer: B	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 274	

Q.no 26 Which of the following is not an aggregate function?	
A. Group_Concat	B. Sum
C. Truncate	D. AVG
Correct Answer: C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 271-282	

Q.no 27 Which of the following queries will display the employee names whose earn more salary than employee 'John'?	
A. SELECT * FROM EMPLOYEES WHERE Salary >= 2000	B. SELECT * FROM EMPLOYEES WHERE Salary > (SELECT Salary FROM EMPLOYEES WHERE EmployeeName = 'John')
C. SELECT * FROM EMPLOYEES WHERE Salary >= (SELECT * FROM EMPLOYEES WHERE EmployeeName LIKE 'John')	D. SELECT * FROM EMPLOYEES WHERE Salary NOT IN (SELECT * FROM EMPLOYEES WHERE EmployeeName LIKE 'John')
Correct Answer: B	
Reference: Book name: Storing and Manipulating data using MySQL, Direct reference not found	

Q.no 28 Which of the following options correctly represents the result of the given query?
       Select Truncate(1.999,0);

A. -1.9	B. 1.9
C. 1	D. 1.99

Correct Answer: C

Reference: Book name: Storing and Manipulating data using MySQL, Direct reference not found

Q.no 29 Which of the following functions will remove the leading spaces in employee name from the employee table?

A. Select LEFTTRIM(EmployeeName) From Employee	B. Select TRIM(LEADING FROM EmployeeName) From Employee
C. Select TRIM(EmployeeName) From Employee	D. Select LEFT TRIM(' ' FROM EmployeeName) From Employee

Correct Answer: B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 371-372

Q.no 30 Which of the following privileges is used to create a user account with out any privileges?

A. DROP	B. USAGE
C. DELETE	D. ALL

Correct Answer: B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 448

Q.no 31 Which of the following features enables the user to implement business logic during data processing?

A. Views	B. Triggers
C. Tables	D. Stored Procedures

Correct Answer: D

Reference: Book name: Storing and Manipulating data using MySQL, Page no 5

Q.no 32 In stored procedures, which of the following symbol is used to write comments?

A. Character @	B. Double hyphen --
C. Semicolon ;	D. Colon :

Correct Answer: B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 516

Q.no 33 Which of the following commands is used to view the default installed databases?

A. VIEW DATABASES	B. SHOW DATABASES
C. SELECT DATABASES	D. DISPLAY DATABASES

Correct Answer: B

Reference: Book name: Storing and Manipulating data using MySQL, Page no 30

Q.no 34 Which of the following statements are the disadvantages of the indexes? [Multiple Choice]	
A. Indexes support faster storage and retrieval capabilities	B. Data manipulation commands require longer duration to execute because of indexes.
C. Indexes uses more storage space	D. Indexes cannot be created explicitly.
Correct Answer: B, C	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 192	

Q.no 35 Which of the following wildcard characters are supported by the LIKE clause? [Multiple Choice]	
A. *	B. #
C. %	D. _
Correct Answer: C, D	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 125	

Q.no 36 Which of the following queries is equivalent to the given query? SELECT ProductNumber, ProductName, ProductPrice FROM PRODUCTS WHERE ProductPrice < 20 OR ProductPrice > 100?	
A. SELECT ProductNumber, ProductName, ProductPrice FROM PRODUCTS WHERE ProductPrice IN (20,100)	B. SELECT ProductNumber, ProductName, ProductPrice FROM PRODUCTS WHERE ProductPrice BETWEEN 20 AND 100
C. SELECT ProductNumber, ProductName, ProductPrice FROM PRODUCTS WHERE ProductPrice NOT IN (20, 100)	D. SELECT ProductNumber, ProductName, ProductPrice FROM PRODUCTS WHERE ProductPrice NOT BETWEEN 20 AND 100
Correct Answer: B	
Reference: Book name: Direct reference not available	

Q.no 37 What is the output of the following command when no database is activated? SELECT DATABASE()	
A. 0	B. No value
C. false	D. null
Correct Answer: D	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 379, Heading 14.4.3	

Q.no 38 Which of the following issues are resolved by replication? [Multiple Choice]	
A. Low bandwidth	B. Frequent server shutdowns
C. Data loss	D. Frequent system failures
Correct Answer: C, D	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 593, Heading 21.1	

Q.no 39 Which of the following parameters belong to the mysqldump utility for backup? [Multiple choice]	
A. --add-drop-table	B. --no-data
C. --no-database	D. --add-table
Correct Answer: A, B	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 596, Heading 21.3.1	

Q.no 40 Which of the following statement cause an implicit commit? [Multiple choice]	
A. UNLOCK TABLES following FLUSH TABLES WITH READ LOCK function	B. CREATE TABLE and DROP TABLE when executed with the TEMPORARY keyword
C. Transaction-control and locking statements such as BEGIN, LOCK TABLES	D. Administrative statements such as ANALYZE TABLE
Correct Answer: C, D	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 528, Before heading 19.4	

Q.no 41 Which of the following queries will display the records retrieved from the customer and employee table in the sorted order?	
A. SELECT CustomerNumber id, CustomerName name FROM Customers UNION SELECT EmployeeNumber id, EmployeeName FROM Employees ORDER BY name, id	B. SELECT CustomerNumber id, CustomerName name FROM Customers ORDER BY name, id UNION SELECT EmployeeNumber id, EmployeeName FROM Employees ORDER BY name, id
C. (SELECT CustomerNumber id, CustomerName name FROM Customers) UNION (SELECT EmployeeNumber id, EmployeeName FROM Employees) ORDER BY name, id	D. SELECT CustomerNumber id, CustomerName name FROM Customers ORDER BY id UNION SELECT EmployeeNumber id, EmployeeName FROM Employees ORDER BY name
Correct Answer: B	
Reference: Book name: Storing and Manipulating data using MySQL, Page no 251, Fig 10.19	

Q.no 42 Match the column							
SI NO.	Left Column	SI NO.	Right Column	Correct Answer for column A			
A1	CONCAT	B1	Returns the current date and time	B1	**B2**	B3	B4
A2	INSTR	B2	Returns a string after joining the specified arguments	B1	B2	**B3**	B4
A3	CURDATE	B3	Returns the position of the first instance of a substring in a string	B1	B2	B3	**B4**
A4	SYSDATE	B4	Returns the current date	**B1**	B2	B3	B4
Reference: Book name: Storing and Manipulating data using MySQL, Session 14							

Q.42 The Group Function can be combined with functions such as max(), count(), min), and so on, which are known as

A. Filter functions	B. Unique functions
C. Aggregate functions	D. Variable functions

Correct Answer: C

Reference: Heading 7.2, Page no 148

Q.43 _____ in MySQL can be defined as a program that performs independent operations.

A. Functions	B. Programmes
C. Application	D. Management

Correct Answer: A

Reference: Heading 6.1, Page no 129

Q.44 _functions in SQL are the numeric functions that are used to perform calculations by taking input values as arguments.

A. Numerical	B. NULL
C. Mathematical	D. Date/Time

Correct Answer: C

Reference: Heading 6.2, Page no 130

Q.45 The_____ FUNCTION command is used to remove a function (if it exists) from the database.

A. DISC	B. DROP
C. SUBDATE	D. REGEXP_INSTR

Correct Answer: B

Reference: Heading 6.8, Page no 140

Q.46 _____clause is used in SELECT statements to define filter conditions for a group of rows.

A. HIDDEN	B. HAD
C. HAVE_TO	D. HAVING

Correct Answer: D

Reference: Heading 7.1, Page no 146

Q.47 The clause_____ is used to sort the records in ascending order or descending order.

A. ORDER BY	B. ORDER WITH
C. VIEW BY	D. ARRANGE

Correct Answer: A

Reference: Heading 7.1, Page no 146

Q.48 In MySQL, a_____ is a set of logical statements resulting in a single operation	
A. Transformation	B. Transaction
C. Combination	D. Cluster
Correct Answer: B	
Reference: Heading 8.1, Page no 158	

Q.49 A transaction has four properties, known as_____ properties.	
E. TRUE	F. FINE
G. ACID	H. AIMED
Correct Answer: C	
Reference: Heading 8.1, Page no 159	

Q.50 Which of the following is one of the correct topologies of MySQL Replication?	
A. Single Master to Single Slave	B. Master with Relay Slaves
C. Master with Black Slaves	D. Master with Slaves
Correct Answer: D	
Reference: Heading 9.1.2, Page no 174	

Q.51 What is used in places where fluid replication infrastructure is present?	
A. Elastic Replication	B. Highly Available Shards
C. Alternative to Source-Replica Replication	D. Autonomic Systems
Correct Answer: A	
Reference: Heading 9.1.4, Page no 175	

Q.52_____ returns the length of string input by the user.	
A. CHAR_LENGTH(str)	B. CONCAT(str1, str2...)
C. LCASE(str)	D. UCASE(str)
Correct Answer: A	
Reference: Heading 6.3, Page no 133	

Q.53 Which is the default JOIN clause?	
A. CROSS JOIN	B. SELF JOIN
C. INNER JOIN	D. OUTER JOIN
Correct Answer: C	
Reference: Heading 4.2, Page no 97	

Q.54 A_____ __ is a nested query inside another query.	
A. Setquery	B. Subquery
C. Onequery	D. Nestquery
Correct Answer: B	
Reference: Heading 5.1, Page no 111	

Q.55 Which single row operator checks values less than the values returned by the subquery?	
A. Less Than (<)	B. Equal To =)
C. More Than(>)	D. Less Than Equal To(<=)
Correct Answer: A	
Reference: Heading 5.3.1, Page no 122	

Q.56 Which multiple row operator returns the values less than the highest value of the list returned by the subquery?	
A. >ALL	B. >ANY
C. <ALL	D. <ANY
Correct Answer: D	
Reference: Heading 5.3.2, Page no 123	

Q.57 Which function accepts multiple expressions as arguments and returns the first occurring NOT NULL expression?	
A. TO_DAY()	B. REGEXP_INSTR
C. CURDATE()	D. COALESCE()
Correct Answer: D	
Reference: Heading 6.5.2, Page no 137	