1.A simple master-to-slave replication is currently being used. The following information is extracted from the SHOW SLAVE STATUS output:

Last_SQL_Error: Error 'Duplicate entry '8' for key 'PRIMARY'' on query.

Default database: 'mydb'. Query: 'insert into mytable VALUES ('8' , 'George') ' Skip_Counter: 0 Retrieved _Gtid_Set: 38f32e23480a7-32a1-c323f78067fd37821: 1-8 Auto _Position: 1

You execute a "SHOW CREATE TABLE mytable" on the slave:

CREATE TABLE mytable' ('ID' int(11) NOT NULL

DEFAULT '0', 'name' char(10) DEFAULT NULL, PRIMARY KEY('ID'))

The table mytable on the slave contains the following:

ID	NAME
7	Nancy
8	Goerge

You have issued a STOP SLAVE command. One or more statements are required before you can issue a START SLAVE command to resolve the duplicate key error. Which statement should be used?

A.SET GTID_NEXT="CONSISTENCY"; BEGIN; COMMIT; SET GTID_NEXT="AUTOMATIC";

B.SET GLOBAL enforce_gtid_consistency=ON

C.SET GTID_EXECUTED="38f32e23480a7-32a1-c323f78067fd37821 : 9";

D.SET GTID_NEXT="38f32e23480a7-32a1-c323f78067fd37821 : 9"; BEGIN;COMMIT; SET GTID_NEXT="AUTOMATIC";

E.SET GLOBAL SQL_SKIP_SLAVE_COUNTER=1

Answer: E

2.Consider the following statement on a RANGE partitioned table:

ALTER TABLE orders DROP PARTITION p1, p3;

What is the outcome of executing the above statement?

A.A syntax error will result as you cannot specify more than one partition in the same statement.

B.All data in p1 and p3 partitions are removed and the table definition is changed.

C.All data in p1 and p3 partitions are removed, but the table definition remains unchanged.

D.Only the first partition (p1) will be dropped as only one can be dropped at any time.

Answer: B

3.You inherit a legacy database system when the previous DBA, Bob, leaves the company.

You are notified that users are getting the following error:

mysql> CALL film_in_stock (40, 2,@count);

ERROR 1449 (HY000): The user specified as a definer ('bon'@'localhost') does not exist

How would you identify all stored procedures that pose the same problem?

A.Execute SHOW ROUTINES WHERE DEFINER='bob@localhost'.

B.Execute SELECT * FROM INFORMATION_SCHEMA ROUTINES WHERE DEFINER='bob@localhost';.

C.Execute SELECT * FROM INFORMATION_SCHEMA PROCESSLIST WHERE USER='bob' and HOST='localhost';.

D.Examine the Mysql error log for other ERROR 1449 messages.

E.Execute SELECT * FROM mysql.routines WHERE DEFINER='bob@localhost';.

Answer: B

4.When designing an InnoDB table, identify an advantage of using the BIT datatype Instead of one of the integer datatypes.

A.BIT columns are written by InnoDB at the head of the row, meaning they are always the first to be retrieved.

B.The BIT columns can be manipulated with the bitwise operators &, |, ~, ^, <<, and >>. The other integer types cannot.

C.Multiple BIT columns pack tightly into a row, using less space.
D.BIT(8) takes less space than eight TINYINTfields
Answer: D

5.ROW-based replication has stopped working. You investigate the error log file and find the following entries:
2013-08-27 14:15:47 9056 [ERROR]Slave SQL:Could not execute Delete_rows event on table test.t1;
Can't find record in 't1', Error_code: 1032; handler error HA_ERR_KEY_NOT_FOUND; the event's master log 56_master-bin.
000003, end_log_pos 851, Error_code: 1032
2013-08-27 14:15:47 9056 [warning] Slave: Can't find record in 't1' Error_code: 1032
2013-08-27 14:15:47 9056 [ERROR]Error running query, slave SQLthread aborted. Fix the problem, and restart the slave
SQLthread with "SLAVESTART".
We stopped at log '56_masterbin. 000003' position 684 Why did you receive this error?
A.The slave SQLthread does not have DELETEprivileges to execute on test.t1 table.s
B.Thetable definition on the slave-litters from the master.
C.Multi-threaded replication slavescan have temporary errors occurring for cross database updates.
D.Theslave SQLthread attempted to remove a row from the test.t1 table, but the row did not exist.
Answer: D

6.Mysqldump was used to create a single schema backup;
Shell>mysqldump – u root – p sakila > sakila2013.sql
Which two commands will restore the sakila database without interfering with other running database?
A.Mysql> USEsakila; LOADDATAINFILE'sakila2013.sql';
B.Shell>mysql – u root – p sakila sakila2013.sql
C.Shell>mysql import – u root – p sakila sakila2013.sql
D.Shell>mysql – u root -p – e 'use sakila; source sakila2013.sql'
E.Shell>mysql – u root – p – silent < sakila2013.sql
Answer: BD

7.Consider the Mysql Enterprise Audit plugin. You are checking user accounts and attempt the following query:
Mysql> SELECTuser, host, plugin FROMmysql.users;
ERROR1146(42S02): Table 'mysql.users' doesn't exist
Which subset of event attributes would indicate this error in the audit.log file?

A.NAME="Query" STATUS="1146'SQLTEXT="Error 1146 (42S02): Table 'mysql.users' doesn't exist"/>
B.NAME="Query" STATUS="1146'SQLTEXT="selectuser,host from users"/>
C.NAME="Error" STATUS="0'SQLTEXT="Error1146 (42S02): Table 'mysql.users' doesn't exist"/>
D.NAME="Error" STATUS="1146"SQLTEXT="Error1146 (42S02): Table 'mysql.users' doesn't exist"/>
E.NAME="Query" STATUS="1146'SQLTEXT='Error 1146 (42S02): Table 'mysql.users' doesn't exist"/>
Answer: B

8.Which query would you use to find connections that are in the same state for longer than 180 seconds?
A.SHOWFULLPROCESSLISTWHEERTime > 180;
B.SELECT* FROMINFORMATION_SCHEMA.EVENTSWHERESTARTS< (DATE_SUB(NOW ( ), INTERVAL180 SECOND));
C.SELECT* FROM INFORMATION_SCHEMA.SESSION_STATUSWHERE STATE< (DATE_SUB(NOW ( ), INTERVAL 180
SECOND));
D.SELECT* FROMINFORMATION_SCHEMA.PROCESSLISTWHERETIME > 180;
Answer: D

9.A database exists as a read-intensive server that is operating with query_cachek_type =DEMAND.

The database is refreshed periodically, but the resultset size of the queries does not fluctuate.

Note the following details about this environment: A web application uses a limited set of queries. The Query Cache hit rate is high.

All resultsets fit into the Query Cache. All queries are configured to use the Query Cache successfully. The response times for queries have recently started to increase.

The cause for this has correctly been identified as the increase in the number of concurrent users accessing the web service.

Based solely on the information provided, what is the most likely cause for this slowdown at the database level?

A.The Query Cache is pruning queries due to an increased number of requests.

B.Query_cache_min_res_unit has been exceeded, leading to an increased performance overhead due to additional memory block lookups.

C.Mutex contention on the Query Cache is forcing the queries to take longer due to its singlethreaded nature.

D.The average resultset of a query is increasing due to an increase in the number of users requiring SQL statement execution.

Answer: C

10.You have a login-path named "adamlocal" that was created by using the mysql_config_editor command.

You need to check what is defined for this login_path to ensure that it is correct for you deployment.

You execute this command:

$mysql_config_editor print – login-path=adamlocal

What is the expected output of this command?

A.The command prints all parameter for the login-path. The password is replaced with stars.

B.The command prints the encrypted entry for the login-path. The is only possible to see if an entry exists.

C.The command prints all parameters for the login-path. The password is shown only when you provide the – password option.

D.The command prints all parameters for the login-path. The password is printed in plain tex

Answer: A

11.You are using replication and the binary log files on your master server consume a lot of disk space.

Which two steps should you perform to safely remove some of the older binary log files?

A.Use the command PURGEBINARYLOGSand specify a binary log file name or a date and time to remove unused files.

B.Execute the PURGEBINARYLOGENOT USEDcommand.

C.Remove all of the binary log files that have a modification date earlier than today.

D.Edit the.index file to remove the files you want to delete.

E.Ensure that none of the attached slaves are using any of the binary logs you want to delete.

Answer: AE

12.Which two statements are true about InnoDB auto-increment locking?

A.The auto-increment lock can be a table-level lock.

B.InnoDB never uses table-level locks.

C.Some settings for innodb_autoinc_lock_mode can help reduce locking.

D.InnoDB always protects auto-increment updates with a table-level lock.

E.InnoDB always protects auto-increment updates with a table-level lock.

Answer: AC

13.Consider the Mysql Enterprise Audit plugin. A CSVfile called data.csv has 100 rows of data.

The stored procedure prepare_db ( ) has 10 auditable statements.

You run the following statements in the mydb database:

Mysql> CALLprepare_db ( );

Mysql> LOAD DATA INFILE '/tmp/data.cav' INTO TABLE mytable;
Mysql> SHOW TABLES;
How many events are added to the audit log as a result of the preceding statements?
A.12; only top-level statements and stored procedure events are logged.
B.111; top-level statements and all lower-level statements are logged.
C.3; only the top-level statements are logged.
D.102; top-level statements are logged, but LOAD DATA INFILE is logged as a separate event.
Answer: C

14.You execute the following statement in a Microsoft Windows environment. There are no conflicts in the path name definitions.
C: \> mysqld – install Mysql56 – defaults – file = C :\my – opts.cnf
What is the expected outcome?
A.Mysql is installed as the Windows service name Mysql56, and uses c: \my-opts.cnf as the configuration file
B.An error message is issued because – install is not a valid option for mysqld.
C.A running Mysql 5.6 installation has its runtime configuration updated with the server variables set in c: \my-opts.cnf.
D.Mysqld acts as an MSI installer and installs the Mysql 5.6 version, with the c: \my-opts.cnf configuration file.
Answer: A

15.Consider the events_% tables in performance Schema.
Which two methods will clear or reset the collected events in the tables?
A.Using DELETE statements, for example, DELETE FROM performance_schema.events_watis_current;
B.Using the statement RESET PERFORMANCE CACHE;
C.Using the statement FLUSH PERFORMANCE CACHE;
D.Using TRUNCATE statements, for example, TRUNATE TABLE performance_schema.events_waits_current;
E.Disabling and re-enabling all instruments
F.Restarting Mysql
Answer: DF

16.What are four capabilities of the mysql client program?
A.Creating, dropping, and modifying tables and indexes
B.Initiating a binary backup of the database by using the START BACKUP command
C.Displaying replication status information
D.Shutting down the server by using the SHUTDOWN command
E.Creating and dropping databases
F.Creating and administering users
Answer: ACEF

17.Assume that you want to know which Mysql Server options were set to custom values.
Which two methods would you use to find out?
A.Check the configuration files in the order in which they are read by the Mysql Server and compare them with default values.
B.Check the command-line options provided for the Mysql Server and compare them with default values.
C.Check the output of SHOW GLOBAL VARIABLES and compare it with default values.
D.Query the INFORMATION_SCHEMA.GLOBAL_VARIABLES table and compare the result with default values.
Answer: CD

18.You install a copy of Mysql 5.6.13 on a brand new Linux server by using RPM packages.
The server starts successfully as verified by the following commands: $ pidof mysqld 3132

$tail – n2 /var/lib.mysql/hostname.err

2013-08-18 08:18:38 3132 [Note] /usr/sbin/mysqld:ready for connections.

Version: '5.6.13-enterprise-commercial-advaced'

socket:'/tmp/mysql.sock' port; 3306 Mysql Enterprise Server – Advanced Edition (Commercial) You attempt to log in as the root user with the following command: $mysql – u root ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)

Which statement is true about this scenario?

A.The RPM installation script sets a default password of password for new installations.

B.The local root user must log in with a blank password initially: mysql – u root – p.

C.New security measures mean that the mysql_secure_installation script must be run first on all new installations.

D.The mysql_install_bd post-installation script used – random-password.

Answer: D

19.A Mysql Server has been running an existing application successfully for six months.

The my.cnf is adjusted to contain the following additional configuration: [mysqld] Default-authentication-plugin=sha256_password The Mysql Server is restarted without error.

What effect will the new configuration have in existing accounts?

A.They all connect via the secure sha256_password algorithm without any configuration change.

B.They are not affected by this configuration change.

C.They will have to change their password the next time they login to the server.

D.They will have their passwords updated on start-up to sha256_password format.

Answer: B

20.In a design situation, there are multiple character sets that can properly encode your data.

Which three should influence your choice of character set?

A.Syntax when writing queries involving JOINS

B.Syntax when writing queries involving JOINS

C.Memory usage when working with the data

D.Character set mapping index hash size

E.Diskusage when storing data

Answer: CDE

21.What are three actions performed by the mysql_secure_installation tool?

A.It prompts you to set the root user account password.

B.It checks whether file permissions are appropriate within datadir.

C.It asks to remove the test database, which is generated at installation time.

D.It can delete any anonymous accounts.

E.It verifies that all users are configuration with the longer password hash.

Answer: ACD

22.Consider the query:

```
Mysql> SET@run = 15;
Mysql> EXPLAINSELECTobjective, stage, COUNT(stage)
FROM iteminformation
WHERERun=@run AND objective= ’ 7.1 ’
GROUPBYobjective,stage
ORDERBYstage;
```

Id	Select_type	Table	Type	Possible_keys	Key	Key_len	Ref	Rows	Extra
1	SIMPLE	Iteminformation	Ref	Run,run_2	Run_2	5	Const	355	Using where

The iteminformation table has the following indexes;

Mysql> SHOWINDEXES$FROMiteminformation:

Table	Non_unique	Key_name	Seq_in_index	Column_name	collation	cardinality
Iteminformation	0	Run	1	Run	A	NULL
Iteminformation	0	Run	2	Name	A	NULL
Iteminformation	1	Run_2	1	Run	A	20
Iteminformation	1	Run_2	2	Stage	A	136

This query is run several times in an application with different values in the WHEREclause in a growing data set.

What is the primary improvement that can be made for this scenario?

A.Do not pass a user variable in the WHEREclause because it limits the ability of the optimizer to use indexes.

B.Add an index on the objective column so that is can be used in both the WHEREand GROUPBY operations.

C.Drop the run_2 index because it has caused a conflict in the choice of key for this query.

D.Execute the run_2 index because it has caused a conflict in the choice of key for this query.

E.Add a composite index on (run,objective,stage) to allow the query to fully utilize an index.

Answer: E

23.Consider typical High Availability (HA) solutions that do not use shared storage.

Which three HA solutions do not use shared storage?

A.Mysql NDB Cluster

B.Mysql Replication

C.Distributed Replicated Block Device (DRBD) and Mysql

D.Windows Cluster and Mysql

E.Solaris Cluster and Mysql

Answer: ABC

24.Which three statements are characteristic of the MEMORYstorage engine?

A.It can support transactions

B.Tablecontents are not saved if the server is restarted.

C.It cannot contain text or BLOBcolumns.

D.It can support foreign keys.

E.Eachtable is represented on disk as an.frm file.

F.Eachtable has a corresponding.MYI and.MYD file.

Answer: BCE

25.Consider the Mysql Enterprise Audit plugin. The following event detail is found in the audit log:

<AUDIT_RECORD TIMESTAMP="2013-04-09t01:54:17" NAME="Connect" CONNECTION_ID="3" STATUS="1045" USER="kate" PROXY_USER="" HOST="localhost" IP="" DB=""/>

Which two points can be concluded from the given event?

A.A connection as the user kate was successful.

B.A connection failed due to authentication being unsuccessful.

C.A connection was attempted via socket rather than TCP.
D.A connection was blocked by a firewall or a similar security mechanism.
E.A connection failed because the proxy user privileges did not match the login user.
Answer: BE

26.Consider the Mysql Enterprise Audit plugin. Which statement is true when you identify a connection event that has used external authentication?
A.The attribute "STATUS" is set to the string EXTERNAL_AUTH.
B.The attribute "PRIV_USER" contains the username.
C.The event type that is given in the attribute "NAME" is EXTERNAL_AUTH.
D.There is no differentiation between native and external authentication events.
E.External authentication is managed through external auditing logs.
F.The "PROXY_PRIV" user shows a username if external authentication is used.
Answer: E

27.You are having problems with connections from a specific host (192.168.1.15) not closing down correctly.
You want to find the state of the threads from that host check for long-running queries. Which statement will accomplish this?
A.SELECT * FROM INFORMATION_SCHEMA.PROCESSLIST WHERE HOST='192.168.1.15';
B.SELECT * FROM INFORMATION_SCHEMA.EVENTS WHERE HOST='192.168.1.15';
C.SELECT * FROM INFORMATION_SCHEMA.STATISTICS WHERE HOST='192.168.1.15';
D.SELECT * FROM INFORMATION_SCHEMA.INNODB_METEICS WHERE HOST='192.168.1.15';
Answer: A

28.Identify a performance impact when using the Performance Schema.
A.There is no impact on performance.
B.The overhead depends on the settings of the Performance Schema.
C.There is an overhead for querying the Performance Schema but not for having it enabled.
D.There is a constant overhead regardless of settings and workload.
Answer: B

29.Which statement is true about FLUSH LOGS command?
A.It requires the RELOAD, FILE, and DROP privileges.
B.It closes and reopens all log files.
C.It closes and sends binary log files to slave servers.
D.It flushes dirty pages in the buffer pool to the REDO logs.
Answer: B

30.Which two are correct steps in taking a binary backup of MyISAM tables?
A.Always stop the server prior to the backup.
B.Stop the server or lock the tables prior to the backup.
C.Stop the server or lock the databases prior to the backup.
D.Make a copy of the .frm, .myd, and the .myi files.
E.Make a copy of the binary log and tablespace files.
Answer: BD

31.You want to start monitoring statistics on the distribution of storage engines that are being used and the average sizes of tables in the various databases.
Some details are as follows:

The Mysql instance has 400 databases. Each database on an average consists of 25-50 tables.
You use the query:
SELECT TABLE_SCHEMA, ENGINE', COUNT(*), SUM(data_length) total_size FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE='BASETABLE' GROUP BY TABLE_SCHEMA, ENGINE';
Why is this query slow to execute?
A.Collecting information requires large numbers of locks on various INFORMATION_SCHEMA tables.
B.Aggregating details from various storage engine caches for the final output is time consuming.
C.Collecting information requires various disk-level operations and is time consuming.
D.Counting and summarizing all table pages in the InnoDB shared tablespace is time consuming.
Answer: C

32.Which two events will cause a slave server to create a new relay log file?
A.Execution of the FLUSH LOGS statement
B.Starting of the SQL thread
C.Reaching the slave_pendign _jobs_size_max limit
D.Execution of FULSH TABLES WITH READ LOCK
E.Starting of the I/O thread
Answer: AE

33.The InnoDB engine has a feature known as clustered indexes.
Which three statements are true about clustered indexes as used in InnoDB?
A.A primary key must exist for creation of a clustered index.
B.A clustered index allows fulltext searching within InnoDB,
C.The first unique index is always used as a clustered index and not a primary key.
D.A clustered index provides direct access to a page containing row data.
E.If no indexes exist, a hidden clustered index is generated based on row IDs.
F.A primary key is used as a clustered index.
G.A clustered index is a grouping of indexes from different tables into a global index for faster searching.
Answer: DEF

34.A Mysql instance is running on a dedicated server. Developers access the server from the same network subnet.
Users access the database through an application that is running on a separate server in a DMZ.
Which two will optimize the security of this setup?
A.Disabling connections from named pipes or socket files (depending on the operating system of the server)
B.Enabling and using SSL for connections to the Mysql database
C.Installing Mysql on the application server, and running the database and application on the same server
D.Starting the server with – bind- address=0.0.0.0 specified
E.Running the server with – skip-networking specified
F.Limiting logins to originate from the application server or the server's subnet'
Answer: BF

35.Which hardware storage option, when set up with redundant disks, offers the least stability,availability, and reliability for Mysql data?
A.RAID 5
B.iSCSI
C.SAN(Storage Area Network)
D.NFS(Networked File System)
Answer: C

36.Which two statements are true regarding partitioning in Mysql?

A.Tableswith BLOBand TEXTcolumns cannot be partitioned.

B.Partitioning allows easier management of smaller data sets for certain queries.

C.Partitioning allows different columns to be stored in separate files.

D.Thepartitioning expression is an integer or function that returns an integer value or NULLvalue.

E.Partitioning is only available for those storage engines that implements it natively.

Answer: BE

37.You are using CTIDSin replication. Youneed to skip a transaction with the CTIDof aaa-bbb-cccddd-eee : 3 on a slave. Which command would you execute from a Mysql prompt?

A.STOPSLAVE;SETGLOBALSQL_SLAVE_SKIP_COUNTER=1;STARTSLAVE;

B.STOPSLAVE;BEGIN;SETGTID_IGNORE="aaa-bbb-ccc-ddd-eee:3"; COMMIT; STARTSLAVE;

C.STOPSLAVE;SETGTID_NEXT="aaa-bbb-ccc-ddd-eee3"; BEGIN;COMMIT; SETGTID_NEXT="AUTOMATIC";STARTSLAVE

D.STOPSLAVE;RESETSLAVE;BEGIN;SKIPNEXTGTID;COMMIT; STARTSLAVE;

Answer: C

38.User A issues the command: LOCKTABLESpets READ;Which command can User B execute against the pets table?

A.UPDATEpets…

B.SELECT…FROMpets

C.INSERTINTOpets…

D.ALTERTABLEpets…

Answer: B

39.When backing up a replication slave, which three should also be backed up in addition to data?

A.Themaster.info and relay.info files

B.Therelay log files

C.Therelay index file

D.Mysql.slave_master_info table

E.Mysql.slave_relay_log_info table

F.Mysql.slave_worker_info table

Answer: ABC

40.You want to shutdown a running Mysql Server cleanly. Which three commands that are valid on either Windows or Linux will achieve this?

A.Shell> mysqladmin – u root – p shutdown

B.Shell>nmc mysql shutdown

C.Mysql> STOPPROCESSmysqld;

D.Shell>/etc/init.d/mysql stop

E.Shell>service mysql safe_exit

F.Shell>pkill – u mysql mysqld_safe

G.Shell>net stop mysql

Answer: ADG

41.What are two methods of taking a binary backup of a Mysql Server using InnoDB storage engine?

A.File system snapshots

B.Mysqldumpslow

C.Mysqlhotcopy

D.Mysqldump with – binary-data option

E.Mysql Enterprise Backup

Answer: AE

42.Consider the following table:

CREATE TABLE game' ('id' int (10) unsigned NOT NULL AUTO_INCREMENT,

'keyword' varchar (45) DEFAULT NULL,

'date' datetime NOT NULL,

PRIMARY KEY('id' , 'date'),

UNIQUE KEY 'keyword_idx' ('keyword' , 'date'))

ENGINE=InnoDB DEFAULT CHARSET=latin1

PARTITION BY RANGE(TO_DAYS(date))(

PARTITION g201301 VALUES LESS THAN (TO_DAYS('2013-01-01 00:00:00')),

PARTITION g201302 VALUES LESS THAN (TO_DAYS('2013-02-01 00:00:00')),

PARTITION g201303 VALUES LESS THAN (TO_DAYS('2013-03-01 00:00:00')),

PARTITION g201304 VALUES LESS THAN (TO_DAYS('2013-04-01 00:00:00')),

PARTITION gMORES VALUES LESS THAN (MAXVALUE));

Which method should used to add a new g201305 partition to the table?

A. ALTER TABLE games ADD PARTITION g201350 VALUES LESS THAN (TO_DAYS('2013-05-01 00:00:00'));

B. ALTER TABLE games COALESCE PARTITION (gMORES) INTO g01305 VALUES

LESS THAN (TO_DAYS('2013-05-01 00:00:00')), gMORES VALUES LESS THAN (MAXVALUE));

C. ALTER TABLE games SPLIT PARTITION (gMORES) INTO g201305 VALUES LESS

THAN (TO_DAYS('2013-05-01 00:00:00')), gMORES VALUES LESS THAN (MAXVALUE));

D. ALTHER TABLE games DROP PATITION gMORES, ADD PARTITION g201305

VALUES LESS THAN (TO_DAYS('2013-05-01 00:00:00')), gMORES VALUES LESS THAN (MAXVALUE));

E. ALTER TABLE games REORGANIZE PARTITION (gMORES) INTO g01305 VALUES

LESS THAN (TO_DAYS('2013-05-01 00:00:00')), gMORES VALUES LESS THAN (MAXVALUE));

Answer: E

43.Full Atomicity, Consistency, Isolation, Durability (ACID) compliance is a necessity for a new application, which heavily reads and writes data.

This requires the following config file options: Sync_binlog=1 Innodb_flush_log_at_trx_commit=1 Innodb_doublewrite=1

However, this configuration is expected to introduce disk I/O overhead.

What three changes will reduce disk I/O overheads?

A.Use of soft links for database directories on the same physical disk

B.Use of delay_key_write=ON for batch index update

C.Allocation of RAM to the buffer pool such that more of the data can fit in RAM

D.Placement of InnoDB log files and datadir on separate physical disks

E.Use of separate directories on the same physical disk for log files and data files

Answer: BCD

44.You want a record of all queries that are not using indexes. How would you achieve this?

A.By enabling the Slow Query Log because all queries that are not using indexes will be logged automatically

B.By enabling the Error Log because not using indexes is an error

C.By enabling the Slow Query Log and using the – log-queries-not-using-indexes option

D.By enabling the Error Log and using the – log-queries-not-using-indexes option

Answer: C

45.The validate_password plugin is loaded and displays the following settings in global variables:

Mysql> SHOW VARIABLES LIKE ‘ validate_password% ’ ;

Variable_name	Value
Validate_password_dictionary_file	
Validate_password_length	8
Validate_password_mixed_case_count	1
Validate_password_number_count	2
Validate_password_policy	MEDIUM
Validate_password_special_char_count	1

When attempting to set your password, you get the following error:

Mysql> SET PASSWORD= PASSWORD(‘ Hoverl@% ’);

ERROR 1819 (HY000): Your password does not satisfy the current policy requirements

What is the cause of the error?

A.The password is eight characters long, but needs to exceed validate_password_length to be valid.

B.All of the MEDIUM password policy requirements have not been honored.

C.The password matches a substring Hover as a dictionary word.

D.The password does not match the validate_passoword_number_count requirement.

E.There is no dictionary file defined, so password validation cannot work as expected.

Answer: D

46.You attempt to connect to a Mysql Server by using the mysql program. However, you receive the following notice: ERROR2059 (HY000): Authentication plugin 'mysql_clear_password' connot be loaded: plugin not enabled What would you run to fix the issue?

A.The mysql client with the – enable-cleartext-plugin option

B.The mysql_upgrade script

C.The mysql_secure_installation script to update server security settings

D.The mysql client with the – ignore-password-hashing option

E.The install plugin command for the mysql_cleartext_password plugin

Answer: A

47.The following commands are available in the Linux binary distributions of Mysql: Mysqld Mysqld_safe Mysql.server

What is the correct description of each of these commands?

A.

Mysqld is the server.

Mysqld_safe is a shell script that invokes mysqld.

Mysql.server is a wrapper for mysql_safe.

B.

Mysqld is a shell script that starts mysql.server.

Mysqld_safe causesthe server to start up in data recovery mode.

Mysql.server is the server.

C.

Mysqld is the server.

Mysqld_safe causesthe server to start up in data recovery mode.
Mysql.server is a wrapper for mysqld_safe.

D.
Mysql, mysqld.safe, and mysql.server reside in different locations but are all symlinked to the same script.
Answer: A

48.Which three statements describe how the strict SQLmode provides added security?
A.It rejects statements that try to insert out-of-range values
B.It rejects invalid dates.
C.It limits the operations that the server can perform.
D.It rejects queries that produce out-of-range values.
E.It rejects dates with zero day or month values.
Answer: ABE

49.Following a server crash, the automatic recovery of InnoDB fails. How would you begin to manually repair the InnoDB tables?
A.Start the server with the – innodb_recover_options option set to FORCE.
B.Start the server with the – innodb_force_recovery option set to a non-zero value.
C.Start the server as usual, and then execute the REPAIRTABLEcommand.
D.Start the server as usual, and then execute the CHECKTABLEcommand.
Answer: B

50.What are three methods to reduce Mysql server exposure to remote connections?
A.Setting — skip-networking when remote connections are not required
B.Using the sql_mode=STRICT_SECURAfter connections are established for encrypted communications
C.Setting specific GRANTprivilege to limit remote authentication
D.Setting – mysql_secure_configuration to enable paranoid mode
E.Using SSLwhen transporting data over remote networks
Answer: ACE

51.An existing master-slave setup is currently using a delayed replication of one hour. The master has crashed and the slave must be "rolled forward" to provide all the latest data. The SHOW SLAVESTATUSindicates the following values:
RELAY_LOG_FILE=hostname-relay-bin.00004 RELAY_LOG_POS=1383
Which command set would make the slave current?
A.STOPSLAVE;CHANGEMASTERTO MASTER_DELAY=0, RELAY_LOG_FILE='hostnamerelay- bin.00004' , RELAY_LOG_POS = 1383;
B.STOPSLAVE;CHANGEMASTERTO RELAY_LOG_FILE='hostname-relay-bin.00004', RELAY_LOG_POS=1383;
C.STOPSLAVE;CHANGEMASTERTO MASTER_DELAY=0;STARTSLAVE;
D.STOPSLAVE;SETGLOBALmaster_delay =0; STARTSLAVE;
Answer: C

52.An existing master-slave setup is currently using a delayed replication of one hour. The master has crashed and the slave must be "rolled forward" to provide all the latest data. The SHOW SLAVESTATUSindicates the following values:
RELAY_LOG_FILE=hostname-relay-bin.00004 RELAY_LOG_POS=1383 Which command set would make the slave current?
A.Gtid_mode must be set to AUTOduring point in time recoveries.
B.Mysqlbinlog ignores arguments to – exclude-gtids-it means ignore all events with GTIDs.
C.Theserver keeps track of which GTIDshave already been executed and skips those.

D.Enforce_gtid_consistency is set to ON.
Answer: C

53.You have been notified that the 'apps' . 'reports' table has been accidentally truncated. You have single file mysqldump backup available taken prior to the truncate. The backup contains all the tables from the instance, and the 'apps' . 'reports' table must be restored without affecting the other remaining databases and tables. Which restore option is suitable in this scenario?
A.Execute LOAD DATAINFILE'backup.sql' SCHEMA='apps'TABLE='reports'
B.Execute mysqldump on the backup,sql file and apply – filter arguments to obtain only the 'apps'. 'reportys' table.
C.Restore the backup to another databases instance and obtain a copy of the reports table individually.
D.Extract the 'apps'. 'reports' table from the backup using the SOURCEcommand.
Answer: C

54.You have forgotten the root user account password. You decide to reset the password and execute the following:
Shell> /etc/init.d/mysql stop
Shell> /etc/init.d/mysql start – skip-grant tables
Which additional argument makes this operation safer?
A. – skip-networking, to prohibit accessfrom remote locations
B. – reset-grant-tables, to start the server with only the mysql database accessible
C. – read-only,to set all data to read-only except for super users
D. – old-passwords, to start Mysql to use the old password format while running without the grant tables
Answer: A

55.Which two requirements would lead towards a high availability solution?
A.When uptime is critical
B.When data must be refactored
C.When application concurrency is static
D.When data loss is unacceptable
E.When application is a single point of failure
Answer: AD

56.Which statement is true about using Microsoft Windows Cluster as a platform for Mysql?
A.It implements High Availability by using the.NET Connector's' load balancing capabilities.
B.It is shared-nothing architecture.
C.It is provided by means of IP- level disk replication.
D.It relies on the shared disk architecture being visible to both servers.
Answer: D

57.You have enabled the Slow Query Log for a short period. When you process the Slow Query Log, you receive the following snip of output:
Count: 100 Time=0 .22a (22s) Lock=0.00s (0s) Rows=0.0 (0),
root[root] @localhost CREATETABLE 't1' (id serial,id0 varchar(N) unique key,intcaoll INT (N) ,intco12 INT(N) ,intco13 INT(N) ,intco14 INT(N) ,intco15 INT(N) ,charcol1 VARVHAR(N) ,charcol2 VARCHAR(N)charcol3 VARCHAR(N) ,charcol4 VARVHAR(N) ,charcol5 VARCHAR(N) charcol6 VARCHAR (N) ,charcol7 VARVHAR(N) ,charcol8 VARCHAR(N) charcol9 VARCHAR(N).charcol 10 VACHAR(N))
Count: 64000 Time-0.02s (1213s) Lock=0.00s (6s) Rows=1.0 (64000),
root [root]@ localhost SELECTintocl1, intco12, intco13, intco14, intco15, intco16,intco17, intco18 ,intcol9, intcol10, charcol1, charcol2, charcol3, charcol4, charcol5, charcol6 ,charcol7, charcol8, charcol9, charcol10 FROMt1 WHEREid = 's'
Count: 1 Time=0.02s (0s) Lock=0.00s (0s) Rows=1.0 (1)

agent [agent] @localhost SELECTSelect_priv, Repl_client_priv, Show_db_priv, Super_priv, Process_priv FROM mysql.user WHERECONCAT(user, 's', host) = CURRENT_USER() Count: 48000 Time=0.02s (778s) Lock=0.00 (3s) Rows=1.0 (48000), root[root]@localhost SELECTintocl1,intcol2,intcol3, intcol4, intcol5, charcol1, charcol2, charcol3 ,charcol4, charcol5, charcol6, charcol7, charcol8, charcol9, charcol10 FROMt1 WHEREid = 's'

You want to tune the query such that it provides the greatest overall time savings.

Which query will accomplish this?

A.CHEATETABLE't1' (id serial, id0 varchar (N) unique key, intcol1 INT (N) ,intcol2 INT (N), intcol3 INT(N) ,intcol4 INT(N), intcol5 INT(N), charool1 VARCHAR(N) ,charcol2 VARCHAR(N), charcol3 VARCHAR(N),charcol4 VARCHAR(N),charcol5 VARCHAR(N) ,charcol6 VARCHAR(N), charcol7 VARCHAR(N),charcol8 VARCHAR(N),charcol9 VARCHAR(N) ,charcol10 VARCHAR(N);

B.SELECTintcol1, intcol2, intcol3, intcol4, intcol5, intcol6, intcol7, intcol8, intcol9, Intcol10, intcol11, intcol12, intcol13, intcol14, intcol15, intcol16, intcol17, intcol18, intcol19, charcol10 FROMt1 WHEREid = 's';

C.SELECTSelect_priv, Repl_client_priv, Show_db_priv, Super_priv, Process_priv FROMmysql.user WHERECONCAT(user,'s', host) = CURRENT_USER();

D.SELECTintcol1, intcol2, intcol3, intcol4, intcol5, charcol1, charcol2, charcol3, charcol4, charcol5, charcol6, charcol7, charcol8, charcol9, charcol10 FROMt1 WHEREid = 's';

Answer: A

58.Review the definition of the phone_list view.

CHEATEOR REPLACEALGORITHM=MERGEDEFINER='root'@localhost' SQL SECURITYDEFINERVIEW'phone_list' AS SELECT e . id as id 'e . first_name AS 'first_name' 'e . last_name AS 'last_name' 'coalesce (ph1.phone_no, ' – ') AS 'office_no' 'coalesce (ph2 .phone_no, ' – ') AS 'cell_no' FROM employees e LEFTJOIN employee_phone ph1 ON ph1.emp_id = e.id AND ph1.type = 'office' LEFTJOINemployee_phone ph2 ON ph2.emp_id = e.id AND ph2.type = 'mobile'

The tables employees and employee_phone are InnoDB tables;

all columns are used in this view. The contents of the phone_list view are as follows:

Mysql> select * from phone_list; 1 row in set (0.00 sec)

Which method can you use to change the cell_no value to '555-8888' for John Doe?

A.INSERTINTO employee_phone (emp_id, phone_no, type) VALUES(1, '555-8888','mobile');

B.UPDATEphone_list SETcell_name '555-8888' WHEREfirst_name= 'John' and last_name= 'Doe';

C.DELETEFROM phone_list WHERE first_name= 'John' and last_name= 'Doe'; INSERT INTO phone_list (first_name, last_name, office_no, cell_no) VALUES('John' , 'Doe' , 'x1234' , '555-8888);

D.UPDATEemployee_phone SETphone_no= '555-8888' where emp_id=1;

Answer: A

59.Consider the three binary log files bin.00010, bin.00011, and bin.00012 from which you want to restore data. Which method would use mysqlbinlog for greater consistency?

A.shell> mysqlbinlog – include-gtide=ALL bin.00010 bin.00011 bin.00012 | mysql

B.shell> mysqlbinlog bin.00010 | mysql shell> mysqlbinlog bin.00011 | mysql shell> mysqlbinlog bin.00012 | mysql

C.shell> mysqlbinlog bin.00010 bin.00011 bin.00012 | mysql

D.shell> mysqlbinlog – restore bin.00010 bin.00011 bin.00012

Answer: C

60.Which MySQL utility program should you to process and sort the slow Query log based on query time or average query time?

A.Mysqlaccess

B.Mysqldump

C.Mysqlshow

D.Mysqlslow

E.Mysqldumpslow

Answer: E

61.Which High Availability solution can provide a consistent, time-delayed (for example, one hour) snapshot of the live production database?

A.MySQL Replication

B.Distributed Replication Block Device

C.Windows Server Failover Clustering

D.MySQL Cluster

Answer: A

62.You adjust a default configuration to the following /etc/my.cnf on a Linux installation:[mysqld] Loq-bin Binrylog_format=ROW You do not notice the spelling error in binrylog_format and restart your production server. How does the MySQLserver behave with incorrectly spelled options?

A.Mysqld uses internal configuration versioning and reverts to the previous configuration.

B.When using mysql_config_editor for configuration adjustments, it detects incorrect syntax and typing mistakes.

C.Themysqld_safe script skips the unknown variable and starts using the remaining configuration changes.

D.Mysqld prints to the error log about an unknown variable, and then exits.

Answer: D

63.Youare using the performance Schemato investigate replication on a slave:

```
Mysql> SELECTTHREAD_IDthreads.NAME,SUM (COUNT_STARA)ASTotalcount, SUM
(SUM_TIMER_WAIT)ASTotaltime FROM
performance_schema.events_waits_summary_by_thread_by_event_name
INNERJOINperformance_schema,threadsUSING(THREAD_ID)
WHERETthreads.NAME LIKE ‘ thread/sql/slave\-% ’
GROUPBYTHREAD_IDt,threads.NAME;
```

THREAD_ID	NAME	TotalCount	TotalTime
20	Thread/sql/slave_io	5785	654785731198
21	Thread/sql/slave_sql	38	96931638913
22	Thread/sql/slave_worker	7	0
23	Thread/sql/slave_worker	0	0
24	Thread/sql/slave_worker	346730	7262131209667
25	Thread/sql/slave_worker	597127	15498842906584

Assumethat all instruments and consumers are enabled and all threads are instrumented.
Which two facts can be concluded from the given output?

A.The server needs more cores to use all slave threads.

B.Theslave cannot process the relay log fast enough to use all threads.

C.Mysqld prints to the error log about an unknown variable, and then exits.

D.Theslave is configured with slave_parallel_workers = 4.

Answer: B

64.You want to create a temporary table named OLD_INVENTORYn the OLD_INVENTORYdatabase on the master server. This table is not to be replicated to the slave server.

Which two changes would ensure that the temporary table does not propagate to the slave?

A.Use the –replicate-do-db, —replicate-do-table, or –replicate-wild-do-table option with the value equal to OLD_INVENTORY.

B.Change the binlog_format option to ROW and restart mysqld before you create the OLD_INVENTORY table.

C.Stop SQL_THREAD on the slave until you have finished using the OLD_INVENTORY temporary table.

D.Set binlog_format=MIXED with the –replicate-ignore-temp-table option.

E.Use the –replicate-ignore-table option with the value equal to OLD_INENTORY.OLD_INVENTORY and restart mysqld before creating the temporary table.

Answer: BE

65.What are three facts about backups with mysqldump?

A.Can back up a remote database server

B.Allow a consistent backup to be taken

C.Are always faster to restore than binary backups

D.Are able to back up specific items within a database

E.Create automatically compressed backups

F.Will lock all storage engines for duration of backup

Answer: ABD

66.In a test database, you issue the SELECT··· INTO OUTFILE statement to create a file with your t1 table data. You then TRUNCATE this table to empty it.

Mysql> SELECT* INTO OUTFILE'/tmp/t1.sql' from t1;

mysql> TRUNCATE t1;

A.$ mysqladmin –u root –p –h localhost test –restore /tmp/t1.sql

B.Mysql> INSERTINTO t1 VALUESFROM '/tmp/t1.sql';

C.$ mysql –u root –p –h localhost test < /tmp/t1.sql

D.Mysql> LOAD DATAINFILE'/tmp/t1.sql' INTO TABLE t1;

E.$ mysqlinport –u root –p –h localhost test /tmp/t1.sql

Answer: DE

67.Which two statements are true about setting the per-thread buffers higher than required?

A.More memory per thread is beneficial in all scenarios.

B.It causes increased overhead due to initial memory allocation.

C.It can affect system stability during peak load times, due to swapping.

D.It requires increasing the thread_cache_size variable.

Answer: BC

68.You are creating a new server with the same accounts as an existing server. You do this by importing a mysqldump file of the mysql database.

You test whether the import was successful by using the following commands:

Mysql> select user, host, password from mysql.user;

9 rows in set (0.00 sec)

Mysql> show grants for 'admin'@'%';

ERROR1141 (42000): There is no such grant defined for user 'admin' on host '%'

Which command will fix this issue?

A.CREATE USER'admin' @'%';

B.GRANTUSAGE ON *.* TO'admin'@'%';

C.FLUSHPRIVILEGES;

D.FLUSHHOSTCACHE;

E.FLUSH-HOSTCACHE;
Answer: C

69.You are investigating the performance of the server and see the following information:
Events_waits_summary_global_by_event_name in the performance schema shows that the wait/synch/mutex/sql/LOCK_table_cache event is dominating other wait events. The table_open_cache_overflows status variable is 0.
Which action should be taken to remove the performance bottleneck described here?
A.Increase the value of table_definition_cache.
B.Increase the value of table_open_cache_instances.
C.Decrease the value of table_open_cache_instances.
D.Increase the value of table_open_cache.
E.Decrease the value of table_definition_cache.
F.Decrease the value of table_open_cache.
Answer: B

70.Which statement is true about the log-output variable?
A.It is a static variable and can be set only at MySQL server startup.
B.It enables and starts the General Query Log.
C.It sets the target location for the binary logs generated by the MySQL sever.
D.It specifies output destinations for the slow and General Query logs.
Answer: D

71.The 'allplicationdb' is using innoDB and consuming a large amount of file system space.
You have a /backup partition available on NFSwhere backups are stored.
You investigate and gather the following information:
[mysqld] Datadir=/var/lib/mysql/ Innodb_file_per_table=0 Three tables are stored in the innoDB shared tablespace and the details are as follows:
The table data_current has 1,000,000 rows.
The table data_reports has 1,500,000 rows.
The table data_archive has 4,500,000 rows.
Shell> is -1 /var/lib/mysql/
-rw-rw — - 1 mysql mysql 744G Aug 26 14:34 ibdata1
-rw-rw — - 1 mysql mysql 480M Aug 26 14:34 ib_logfile0
-rw-rw — - 1 mysql mysql 480M Aug 26 14:34 ib_logfile1
…
You attempt to free space from ibdata1 by taking a mysqldump of the data_archive table and storting it on your backup partition.
Shell> mysqldump – u root – p applicationdb data_archive > /backup/data_archive.sql
Mysql> DROP TABLE data_archive;
Which set of actions will allow you to free disk space back to the file system?
A.Execute OPTIMIZE TABLE so that the InnoDB engine frees unused pages on disk back to the file system: Mysql> OPTIMIZE TABLE data_current, data_reports;
B.Set the server to use its own tablespace, and then alter the table so that data is moved from the shared tablespace to its own: Mysql> SET GLOBAL innodb_file_per_table=1; Mysql> ALTER TABLE data_current ENGINE=InnoDB; Mysql> ALTER TABLE data_repors ENGINE=InnoDB;
C.Take a backup, stop the server, remove the data files, and restore the backup: Shell> mysqldump – u root – p applicationdb / > /backup/applicationdb.sql Shell> /etc/init.d/mysql stop Shell> cd /var/lib/mysql/ Shell> rm ibdata1 ib_logfile0 ib_logfile1 Shell> /etc/init.d/mysql start Shell> mysql – u root – p applicationdb <

/backup/applicationdb.sql

D.Enable compression on the table, causing InnoDB to release unused pages on disk to the file system: Mysql> SETGLOBLE innodb_file_per_table=1; Mysql> SET GLOBLE innodb_file_format=Barramcuda; Mysql> ALTER TABLE data_current ROW_FORMAT=COMPRESSED KEY_BLOCK_SIZE=8; Mysql> ALTER TABLE data_history ROW_FORMAT=COMPRESSED KEY_BLOCK_SIZE=8;

Answer: D

72.What is true regarding InnoDB locking?

A.InnoDB uses row and table-level locks, but row locks are not escalates,

B.InnoDB locks only those rows that are updated.

C.InnoDB only uses row locks, not page or table-level locks,

D.InnoDB row locks may be escalated to page or table-level locks.

E.InnoDB uses row-level or table-level locks depending on the number of rows affected.

Answer: B

73.Consider the MySQL Enterprise Audit plugin.

On attempting to start the MySQL service after a crash, notice the following error:

[ERROR]Plugin ‘audit_log’ init function returned error.

In the audit log file, you notice the final entry:

…

<AUDIT_RECORD

TIMESTAMP=”2013-07-09T02:12:35”

NAME=”Connect”

CONNECTION_ID=”98”

STATUS=”0”

USER=”Kate”

PRIV_USER=”kate”

OS_LOGIN=””

HOST=”localhost”

DB=”” />

What action should you take to fix the error and allow the service to start?

A.Re-install the audit plugin.

B.Execute the command FLUSHLOGS.

C.Execute the command SETGLOBALaudit_log_fiush= ON.

D.Move or rename the existing audit.log file.

Answer: D

74.A general purpose MySQL instance is configured with the following options:

— log-slow-queries
— long-query-time=,0001
— log-slow-admin-queries
— general-log
— log-bin
— binlog-format=STATEMENT
— innodb-flush-log-at-trx-commit=1

Which three statements are true

A.The General Query Log records more data than the Binary Log.

B.The binary Log records more data than the General Query Log.
C.The Slow Query Log records more data than the General Query Log.
D.The General Query Log records more data than the Slow Query Log.
E.The Slow Query Log records more data than the Binary Log.
F.The Binary Log records more data than the Slow Query Log.
Answer: ADE

75.Compare a typical Distributed Replicated Block Device (DRBD) with MySQL Standard Replication using master-slave replication. Which two statements are correct?
A.Both technologies guarantee an identical copy of data on the secondary node.
B.Only MySQL can maintain a time-delayed copy of data on the secondary node.
C.Both technologies use the TCP/IP stack as their primary transmission medium.
D.DRBD uses shared-disk technology.
Answer: BC

76.A MySQL replication slave is set up as follows:
User all InnoDB tables
Receives ROW-based binary logs
Has the read-only option
The replication slave has been found in an error state.
You check the MySQL error log file and find the following entries:
2013-08-27 13:55:44 9056 [ERROR] Slave SQL: Could not execute Write_rows event on table test.tl; Duplicate entry ‘3’ for key ’PRIMARY’, Error_code: 1062; handler error HA_ERR_FOUND_DUPP_KEY; the event ’s master log 56_master-bin.000003, end_log_pas 653, Error_code: 1062
2013-08-27 13:55:44 9056 [Warning] Salve: Duplicate entry ‘3’ for key ‘PRIMARY’ Error_code: 1062
2013-08-27 13:55:44 9056 [ERROR] Error running query, slave SQL thread aborted. Fix the problem, and restart the slave SQL thread with “SLAVE START”, We stopped at log ‘56_masterbin.000003’ position 496
What are two possible causes for this error to occur?
A.The slave was created with mysqldump –u root –p – skip-lock-table — all-databases > /data/data.sql
B.The slave user does have INSERT, UPDATE, or DELETE permission and cannot execute the write_rows function.
C.For tables with UNIQUE keys, statement-based replication must be used maintain integrity.
D.The root user on the slave has executed FLUSH LOGS, causing the relay-log to doublewrite.
E.The applications have the SUPER privilege, which allows them to update rows.
Answer: AE

77.Which two statements describe the behavior of the server's SQL mode?
A.The server's SQL mode determines how the server should behave when performing data validation check and interpreting different forms of syntax.
B.The server's SQL mode determines whether the server should be read-only or should accept commands such as INSERT and UPDATE.
C.The server's SQL mode can be changed at the session level with a SETSESSION sql_mode="new_value" command.
D.The server's SQL mode, when globally set on a slave server, applies to events sent from the master.
Answer: AC

78.Which two options describe how MySQL Server allocates memory?
A.Thread memory is pre-allocated up to thread_cache_size for performance.
B.Each connection may have its own per-thread memory allocations.

C.Global memory resources are allocated at server startup.
D.Eachthread allocates memory from a global pool.
Answer: BC

79.MySQL is installed on a Linux server and has the following configuration:
[mysqld]
User=mysql
Datadir=/data/mysql
As the ‘root’ user, change the datadir location by executing:
Shell> cp – R /var/lib/mysql/data/mysql/
Shell> chown – R mysql /data/mysql/

What is the purpose of changing ownership of datadir to the ‘mysql’ user?

A.MySQL requires correct file ownership while remaining secure.
B.MySQL needs to be run as the root user, but file cannot be owned by it.
C.MySQL needs to be run as the root user, but file cannot be owned by it.
D.MySQL cannot be run as the root user.
Answer: A

80.You have taken a Logical Volume Manager (LVM) snapshot backup of a volume that contains the MySQL data directory.
Why is it important to remove snapshots after completing a RAW backup in this way?
A.The snapshot size will continue to grow as changes to the volume are made.
B.The snapshots take a significant amount of disk space as they are a duplicate copy of the data.
C.Thesystem can only support one snapshot per volume, and you need to remove it to be able to take your next backup.
D.The system keeps a copy of changes in memory and can cause an out of memory event.
Answer: A

81.A user executes the statement;
PURGEBINARYLOGSTO 'mysql-bin.010';
What is the result?
A.It deletes all binary log files, except 'mysql-in.010'.
B.It deletes all binary log files up to and including 'mysql-bin.010'.
C.It deletes all binary log files before 'mysql-bin.010'.
D.It deletes all binary log files after 'mysql-bin.010'.
Answer: C

82.You have table 'apps','userdata' on server that uses MyISAM storage engine.
You want to transfer this data to server but use InnoDB engine instead. You execute the following commands: ServerB commands:
Shell> mysqldump – u root – h server – no-data apps userdata | mysql – u root – p apps
Shell> mysql – u root – p – h server – e 'ALTERTABLEapps','userdata' ENGINE=InnoDB;'
Shell> mysqldump – u root – p – h server – no-create-info – order-by-primary apps userdata | mysql – u root – p apps
What effect does the – order-by-primary argument have on the mysqldump command?
A.It exports tables with the most indexes first to assist with import speeds.
B.It ensures that unique indexes have no conflicts when the data is dumped.
C.It orders by primary key to assist in speeding up importing to InnoDB tables.
D.It must be specified so index data is dumped correctly when – on-create-info is used.

Answer: C

83.Which two capabilities are granted with the SUPER privilege?
A.Allowing a client to kill other client connections
B.Allowing a client to shut down the server
C.Allowing change of the server runtime configuration
D.Allowing client accounts to take over the account of another user
Answer: AC

84.You use— login-path to access a MySQL server on a Linux installation.
Which statement is true about the – login-path option that is created by using mysql_config_editor?
A.All system users have access to the MySQL server via — login path local.
B.__login-path can be used only for MySQL servers running on a local machine.
C.__login-path allows you to provide login credentials without passing clear text passwords on the command line.
D.When using – login-path to connect to a remote MySQL server, the remote server version must be 5.6 or later.
Answer: C

85.Consider the MySQL Enterprise Audit plugin, You add the following lines to the my.cnf configuration tile: [mysqld] Plugin-load=audit_log.so Audit-log=FORCE_PLUS_PERMANENT You attempt to start up the MySQL service and notice that it fails to start.
Which two statements would explain why the service did not start?
A.FORCE_PLUS_PERMANENT is not valid for the audit-log option.
B.The audit_log.so library does not exist.
C.The audit_log.so library is in a location that is different from that defined by the plugin_dir option.
D.The audit plugin must be loaded dynamically by using the INSTALL PLUGIN command.
E.The audit log file does not exist in which to write audit events.
F.The audit_log.so library is not an executable file.
Answer: BC

86.Which three methods will show the storage engine for the Country table?
A.SELECT ENGINE FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_NAME = 'Country';
B.SELECT ENGINE FROM INFORMATION_SCHEMA.ENGINES WHERE TABLE_NAME = 'Country';
C.SHOW TABLE STATUS LIKE 'Country';
D.SHOW ENGINE Country STATUS;
E.SHOW CREATE TABLE Country;
Answer: ACE

87.You examine the output of SHOW GLOBAL STATUS and notice that the value of Created_tmp_disk_tables is consistently increasing.
Which two variables would likely fix this issue?
A.Table_open_cache
B.Table_open_cache_instancs
C.Table_definition_cache
D.Tmp_table_size
E.Max_heap_table_size
F.Max_tmp_tables
Answer: DE

88.You are attempting to secure a MySQL server by using SSL encryption.

On starting MySQL, you get this error:

130123 10:38:02 [ERROR]mysqld: unknown option '—ssl'

What is the cause of the error?

A.The — ssl level was not specified.

B.Theserver was not started with the – enable – ssl-plugin option.

C.— sslis not a valid server option.

D.Themysqld binary was not compiled with SSLsupport.

E.Theserver's SSLcertificate was invalid.

Answer: C

89.You need to replicate a table from a master to a slave. The master and slave copies of the table will have different number of columns.

Which two conditions must be true?

A.Each extra column in the copy with more columns must not have a default value.

B.Columns that are common to both versions of the table must be defined in the same order on the master and the slave.

C.Theslave database cannot have more columns than the master. Only the master database can have more columns.

D.Columns that are common to both versions of the table must come first in the table definition, before any additional columns are additional columns are defined on either server.

E.Themaster database cannot have more columns than the slave. Only the slave deatbase can have more columns.

Answer: BD

90.Which three are properties of the MyISAM storage engine?

A.Transaction support

B.FULLTEXTindexing for text matching

C.Tableand page level locking support

D.Foreign key support

E.Geospatial indexing

F.HASHindex support

G.Tablelevel locking only

Answer: BEG

91.Your developers have created table to store some of their program's data.

After examining the slow Query Log, you see that they are using the LIKEoperator and SUBSTER() functions against a VARCHAR(10000) column quite often.

An example of the start of one row of data:

'GREEN01020495888331993-12-10/2… '

What should you do to improve the overall performance?

A.Convert the column to TEXTand add a fulltext index to the table.

B.Create multiple prefix indexes of differing lengths.

C.Convert their column to BINARY.

D.Redesign the table so that the most commonly searched for string patterns are in their own columns.

Answer: D

92.An employee cannot accessthe company database. Youcheckthe connection variables:

Mysql> SHOWGLOBALVARIABLESLIKE ‘ %connect% ’ ;

Variable_name	Value
…	
Connect_timeout	10
Init_connect	
Max_connect_errors	10
Max_connections	10
Max_user_connections	10

8 rows in set (0.00 sec)

A look at the user privileges shows:

GRANT TO ‘ bob ’ @’example.com ’WITH MAX_USER_CONNECTIONS 0;

GRANT TO ‘ key ’ @’example.com ’WITH MAX_USER_CONNECTIONS 1;

GRANT TO ‘ joe ’ @’example.com ’WITH MAX_USER_CONNECTIONS 50;

What is a valid explanation for why one of the users is unable to connect to the database?

A.Bob has max_user_connections set to zero, which blocks all his connections

B.Joe has exceeded the max_user_connections global limit.

C.All users are blocked because max_user_connections is accumulated over the host account information.

D.Kay is already connected elsewhere and attempting to log in again.

E.Connect_timeout is too small to allow a connection to occur.

Answer: D

93.Consider the following:

Mysql> EXPLAINSELECT* FROM City WHERE Name = 'Jacksonville' AND CountryCode ='USA' \G

*************************** 1. row ***************************

Id: 1

Select_type: SIMPLE

Table: City

Type: ref

Possible_keys: name_country_index

Key: name_country_index

Ref: const, const

Rows: 1

Extra: Using where

Which statement best describes the meaning of the value for the key_len column?

A.It shows the total size of the index row.

B.It shows how many columns in the index are examined.

C.It shows the number of characters indexed in the key.

D.It shows how many bytes will be used from each index row.

Answer: D

94.Which three statements are true about memory buffer allocation by a MySQL Server?

A.Global buffers such as the InnoDB buffer pool are allocated after the server starts, and are never freed.

B.Thread buffers are allocated when a client connects, and are freed when the client disconnects.

C.Buffers that are needed for certain operation are allocated when the operation starts, and freed when it ends.

D.User buffers are allocated at server startup and freed when the user is dropped.
E.All dynamic buffers that are set with a SETGLOBALstatement immediately get allocated globally, and are never freed.
Answer: ABC

95.Which three tasks can be performed by using the performance Schema?
A.Finding queries that are not using indexes
B.Finding rows that are locked by InnoDB
C.Finding client connection attributes
D.Finding the part of a code in which a single query is spending time
E.Finding the size of each table
Answer: ABC

96.You have a server that has very limited memory but has a very large table.
You will use mysqldump to back up this table.
Which option will ensure mysqldump will process a row at a time instead of buffering a set of rows?
A.— quick
B.— skip-buffer
C.— single-transaction
D.— tab
Answer: A

97.You need to dump the data from the master server and import it into a new slave server.
Which mysqldump option can be used when dumping data from the master server in order to include the master server's binary log information?
A.Include-master-info
B.Master-binlog
C.Include-log-file
D.Master-data
Answer: D

98.Which three data components are needed for point-in-time recovery?
A.The error log
B.The backup log
C.Thegeneral query log
D.Binary logs
E.Thedata backup
F.Configuration files
Answer: DEF

99.While reviewing the MySQL error log, you see occasions where MySQL has exceeded the number of file handles allowed to it by the operating system.
Which method will reduce the number of file handles in use?
A.Activating the MySQL Enterprise thread pool plugin
B.Relocating your data and log files to separate storage devices
C.Disconnecting idle localhost client sessions
D.Implementing storage engine data compression options
Answer: C

100.Which two are true regarding MySQL binary and text backups?

A.Binary backups are usually faster than text backups.

B.Binary backups are usually slower than text backups.

C.Textbackups are human-readable while binary backups are not.

D.Binary backups are not portable across different operating systems.

Answer: AC