

1. Which of the following components generates and maintains globally unique information such as global transaction, snapshots, timestamps and sequences
 - a. DN
 - b. CM
 - c. CN
 - d. **GTM**

2. Assume that user A's account has CNY100. At t1, user B transfers CNY200 to User A. At t2, User C transfers CNY300 to user A. User B terminates the transfer. At t4, User C, successfully completes the transfer. At t5, the banking system becomes faulty. ($t_1 < t_2 < t_3 < t_4 < t_5$) after the banking system recovers, how much money will be in User A's account?
 - a. 300
 - b. 100
 - c. 400
 - d. **600**

3. Which of the following commands can be used to roll back the current transaction
 - a. end
 - b. commit
 - c. exit
 - d. **rollback**

4. Which of the following is NOT a characteristic of the OpenGauss transaction
 - a. **Partition fault tolerance**
 - b. Atomicity
 - c. Durability
 - d. Consistency

5. In OpenGauss, which of the following gsql meta-commands can list all database roles?
 - a. \dn
 - b. **\du**
 - c. dr
 - d. \d

6. Which of the following SQL languages is used to set or change the database transactions, authorize operations, and lock tables?
 - a. DQL
 - b. **DCL**
 - c. DDL
 - d. DML

7. In OpenGauss, which of the following SQL statements is used to modify column attributes
 - a. ALTER TABLE t ADD new_col;
 - b. **ALTER TABLE t SET col1 to nvarchar(20);**
 - c. ALTER TABLE t DROP col1;

- d. ALTER TABLE t rebuild col1 to col2;
8. The existing sequence seq1 in openGauss is defined as follows:
CREATE SEQUENCE seq1 START WITH 8 MAXVALUE 11 INCREMENT BY 2
CYCLE;. Which of the following results is obtained after the SQL statement SELECT
nextval(seq1) is executed for five times?
- a. 8, 10, 11, 2, 4
 - b. 10, 1, 3, 5
 - c. 8, 10, 12, 1, 3
 - d. **8, 10, 11, 1, 3**
9. Which of the following statements is true about the fully-encrypted equality query capability of the OpenGauss database?
- a. Data is encrypted during storage and decrypted using the dynamic key provided by the application during computing
 - b. **Data is encrypted during storage and computing and decrypted when it is returned to the client**
 - c. Data is encrypted during storage and decrypted during computing
 - d. Data is encrypted during transmission, storage and computing and cannot be decrypted
10. Which of the following tools is used to check whether the environment meets the installation requirements before openGauss installation?
- a. gs_checkperf
 - b. gs_collector
 - c. **gs_check**
 - d. gs_checkos
11. Which of the following statements is false about the ACID feature of database transactions?
- a. **I refers to availability. The database system must provide the highest availability for database execution to ensure that most transactions can be successfully executed**
 - b. A refers to atomicity. Operations in a transaction are either successful or all failed
 - c. C refers to consistency. The system status can only be the status before the transaction or after the transaction is successful. No inconsistent status can occur
 - d. D refers to durability. The status of a successful transaction can be maintained even if the machine is powered off
12. Which of the following statements is true about the separation of duties of OpenGauss
- a. The responsibilities between databases instances, databases and tablespaces are separated
 - b. **Database read, write, and management operations are performed by different roles or users**

- c. Database administrators (DBAs) application developers and system administrators have the same permissions and responsibilities
 - d. The responsibilities of database management, data security, and database audit log viewing and management are assigned to different roles or (..?)
13. When you create or update a user account in OppenGauss, which of the following options can improve account security
- a. Allowing any IP address to log in
 - b. Setting a simple password
 - c. **Enabling SSL/TLS encrypted connection**
 - d. Disabling password policy check
14. Which of the following configuration files needs to be modified to automatically mount sdd2 partition to the /mnt/file directory upon system startup
- a. /etc/fstba
 - b. /etc/fstab.conf
 - c. /etc/fstba.conf
 - d. **/etc/fstab**
15. Which of the following commands can be used to display running services?
- a. systemctl list units --type service
 - b. systemctl list-units -type service
 - c. **systemctl list-units --type service --all**
 - d. systemctl list-units -type service -all
16. which of the following cant be used for flow control of loops in shell scripts
- a) **go**
 - b) until
 - c) while
 - d) for
17. which of the following is the maximum partition capacity supported by MBR
- a) 1T
 - b) 4T
 - c) 3T
 - d) **2T**
18. which of the following is not a characteristic of linux processes
- a) continuity
 - b) concurrency
 - c) **independence**
 - d) dynamics
19. which of the following is the default port of the OpenSSH service
- a) 20
 - b) **22**
 - c) 21
 - d) 23

20. which of the following is not a table of iptables

- a) filter
- b) INPUT**
- c) mangle
- d) NAT

21. which of the following commands can be used to view the background tasks of the current shell

- a) cat
- b) jobs**
- c) bg
- d) vim

22. permissions of a file in linux consist of four parts. which of the following is represented by the third part

- a) permissions of other users**
- b) file type
- c) permissions of the group to which the file owner belongs
- d) permissions of the file owner

23. which of the following is not an SSH client tool

- a) scp
- b) rsync**
- c) sftp
- d) ssh

24. which of the following statements about periodic tasks is correct

- a) the at command can be used to set periodic tasks
- b) the job command can be used to set periodic tasks
- c) the crontab command can be used to set periodic tasks**
- d) the kill command cannot be used to kill periodic tasks

25. the openEuler administrator needs to set the permissions on a file as follows: the file owner has all permissions, the user group the file owner has read and write permissions, and other users have read permissions. which of the following is the correct permission value

- a) 467
- b) 674
- c) 476
- d) 764**

26. _____

27. what are the minimum hardware requirements to install and use openEuler

- a) 4GB memory
- b) Arch64 or x86_64 architecture**
- c) 32GB drive size

d) Two CPUs

28. which of the following statements are true about memory paging in openEuler

- a) the smaller the page the less time required for I/O
- b) **small pages are required to reduce internal fragments**
- c) the larger the page the better
- d) **the page size is always a power of 2**

[Fonte B](#)

[Fonte D](#)

29. a StratoVirt VM is an independent process in linux. which of the following threads are included in the process

- a) **I/O thread**
- b) **main thread**
- c) secondary thread
- d) **vCPU thread**

30. Which of the following are layers of A-Tune's core technical architecture?

- a. Data platform layer
- b. Intelligent decision making layer
- c. System profile layer
- d. **System interaction layer**

31. Feedback-directed optimization is an important part of compilation optimization. Feedback-directed optimization technologies include PGO and AutoFDO. Which of the following options enabled these technologies?

- a. fipa-cp
- b. **fprofile-generate**
- c. fauto-profile
- d. fprofile-use

32. Which of the following functions are supported by UGO?

- a. **Target database selection and specification recommendation**
- b. **Migration workload evaluation**
- c. **Target database compatibility analysis**
- d. **Source database profile**

[Fonte](#)

33. Which of the following are the join operators of openGauss?

- a. **Harshjoin**
- b. **Mergejoin**
- c. Union
- d. **Nestloopjoin**

34. Which of the following statements are true about ODBC?

- a. **Driver managers on Unix or Linux include unicODBC and ODBC**
- b. Currently, openGauss supports only ODBC 3.0
- c. **Applications can interact with the database through the APIs provided by ODBC, which enhances their portability and scalability**

- d. ODBC is an API proposed by Google based on X/OPEN CLI for accessing databases
35. Which of the following options are equivalent to OFFSET 3 LIMIT 10?
- a. LIMIT3,10
 - b. LIMIT10,3
 - c. LIMIT 3 OFFSET 10
 - d. **LIMIT 10 OFFSET 3**
36. Which of the following statements are true about the openGauss table design?
- a. **COMMENT does not need to be added**
 - b. For Astores tables are frequently updated, a small fill factor needs to be specified
 - c. Planning the table structure design prevents the addition of columns and modification of column types or lengths
 - d. **Clustering or partial clustering is used to implement continuous storage of hot data and convert random I/Os into continuous I/Os**
37. Which of the following statements are true about openGaus database auxiliary thread?
- a. **WAL writer is responsible for writing permanent records of committed transactions to WAL files**
 - b. **Checkpointner is used to periodically check the points of flush dirty pages to disks to ensure database consistency**
 - c. AutoVacuum is used to collect statistics on objects. SQL statements sessions, and looks and store the statistics in the pgstat.stat file
 - d. Page writer is used for copying the dirty page data to the doublewrite area and flushing the data to disks
38. Which of the following are health check scenarios?
- a. check before openGauss installation
 - b. Pre upgrade check
 - c. **Check before important operations**
 - d. Setting automatic WAL checkpoints
(Item a. talvez)
39. In the openGauss fully-encrypted database, which of the following methods can be used to create an encrypted table?
- a. Use the ALTER TABLE statement to specify the encryption algorithm and key.
 - b. **Use the CREATE TABLE statement to specify the encryption algorithm and key**
 - c. Use the CREATE TABLESPACE statement to specify the encryption algorithm and key
 - d. Run the pg_dump command to back up the existing encrypted table and specify the encryption algorithm and key
40. In the openGauss database architecture design, what are the advantages of the primary/standby mode compared to the standard mode
- a. The maximum data loss duration (RPO) and the maximum system recovery duration (RTO) can be controlled
 - b. **Multiple failover and switchover modes are supported**
 - c. Damaged pages can be automatically repaired

d. Maximum reliability, performance and availability can be achieved

41. Which of the following options can be configured on the openEuler installation page?

- a. Software selection
- b. Time and date**
- c. Network and host name**
- d. User environment variables

42. Which of the following statements about built-in variables in openEuler are true?

- a. \$# indicates the number of positional parameters of the shell program**
- b. \$n ranges from 1 to 9 and indicates the value of the nth positional parameter of the shell program (on process)
- c. \$* indicates a character string consisting of all positional parameters of the shell program**
- d. \$0 indicates all shell parameters

43. Which of the following local file systems are supported by openEuler?

- a. nfw
- b. btrfs
- c. ext4**
- d. xfs**


44. Which of the following are the functions of the systemctl command?

- a. Enabling a service to run at system startup**
- b. Starting, restarting and stopping services**
- c. Restarting and shutting down the system**
- d. Collecting serial port information of the SO


45. Which of the following statements about the /etc/fstab configuration file are incorrect?

- a. The file used to manage file system information
- b. The file is automatically generated after the system is started**
- c. The file is used to naming rules and determines whether the tab characters can be used to name a file**
- d. The file holds hardware information**

46. When you use an ISO image to install openEuler, the installation source can only be the local media:

- a. Correto
- b. Erro** 

47. For embedded devices with small memory openEuler provides the SLOB allocator as an alternative to the SLAB allocator:

- a. Correto** 
- b. Erro

55. ANALYZE supports only row-store tables:

- a. Correto

b. Erro 

56. In openGauss the SMALLINT type occupies one byte:

a. Correto

b. Error 

57. Indexes can improve the data retrieval speed. In openGauss, an index takes effect only for one column. If an index is created for multiple columns, the index takes effect only for the first column:

a. Correto

b. Error 

58. If data in the base table changes, the data queried from the view changes accordingly:

a. Correto 

b. Erro

59. You do not need to create an XML file before using the installation package to install openGauss.

a. Correto

b. Erro 

60. In primary/standby deployment mode, all database nodes share the postgresql.conf configuration file:

a. Correto 

b. Erro