

DATABASE ADMINISTRATION , Seneca College

Sample Mid-test for DBA625

Each question is worth 1 point, unless stated differently

Total = 34 points

Real test is a bit longer (28-30 questions for 44 points).

1. The user is trying to execute a SELECT statement. What background process will obtain data from disk for the user?
 - a) DBWR
 - b) LGWR
 - c) User Process
 - d) Server Process

2. What parameter in the Parameter file *initSID.ora* indicates the size of the Log Buffer Cache?
 - a) LOG_BUFFER_POOL
 - b) LOG_CACHE_SIZE
 - c) BUFFER_SIZE
 - d) None of the above

3. If one of the users went home without disconnecting from SQL*PLUS session, what is the best way for DBA in order to try to shut down the instance?
 - a) SHUTDOWN
 - b) SHUTDOWN ABORT
 - c) SHUTDOWN TRANSACTIONAL
 - d) SHUTDOWN FORCE

4. What word in the Create /Alter Tablespace syntax will prevent future users from creating a table in a certain tablespace?
 - a) PERMANENT
 - b) READ WRITE
 - c) OFFLINE
 - d) NOLOGGING

5. If the parameter REMOTE_LOGIN_PASSWORDFILE = EXCLUSIVE, then try to find out which of the following statements is TRUE?
 - a) This is recommended value and it should never be changed
 - b) Indicates that only one instance can use the password file
 - c) Indicates that more than one instance can use the password file
 - d) Indicates that OS authentication method will be used

6. Flushing off buffers out of the Log Buffer Cache is done in what kind of fashion?
- a) Same kind as for Database Buffer Cache
 - b) Random
 - c) Circular
 - d) Over the LRU algorithm
7. When using OUI to install Oracle 11g software, there is a page called “Select Installation Type” and it has 3 options. Which of the following is NOT a valid option on that page:
- a) Advanced Edition
 - b) Standard Edition
 - c) Enterprise Edition
 - d) Custom
8. What of the following will NOT be the PMON activity after one of the users pressed CTRL-C (Choose Two): **2 Points**
- a) The user will be warned with the generic system message
 - b) Releasing all the resources that user process held
 - c) Releasing all the locks on modified rows by that user process
 - d) Roll forward operation that will transport changes from redo log files to data files permanently
 - e) Rollback of non-saved transactions by that user process
9. If DBA wants to multiplex Control Files, then which of the following choices identifies the component that will enable this purpose?
- a) V\$CONTROLFILE
 - b) initSID.ora
 - c) V\$DATABASE
 - d) CKPT
10. What portion of the SGA is still the static one i.e can NOT be modified without shutting down the instance (in version 11g)?
- a) DATABASE BUFFER CACHE
 - b) LARGE POOL
 - c) SHARED POOL
 - d) JAVA POOL
 - e) All of them are dynamic
11. What is the right syntax to declare the Default Temporary Tablespace?
- a) ALTER SYSTEM DEFAULT TEMPORARY TABLESPACE tbsp;
 - b) ALTER DATABASE DEFAULT TEMPORARY TABLESPACE tbsp;
 - c) ALTER SYSTEM SET tbsp = DEFAULT TEMPORARY;
 - d) All of them are correct

12. What of the following options does NOT perform a dynamic change of the initial parameter value (Choose Two): **2 Points**
- a) ALTER SYSTEM SET param=value;
 - b) ALTER SESSION SET param=value;
 - c) ALTER DATABASE SET param=value;
 - d) ALTER SYSTEM SET param=value DEFERRED;
 - e) ALTER SYSTEM SET param value;
13. Which one of the following is NOT a typical cause for extensive row locking followed by Blocking and Waiting?
- a) Developers use LOCK TABLE syntax
 - b) Users do not save their work frequently
 - c) Developers use FOR UPDATE syntax
 - d) Developers do not Commit their code frequently
14. The most important information about the Database Life is stored in the _____ file.
15. The unique integer that holds the value for the current Log File number is called the _____ number.
16. If you specify the default extent _____ option when you create a new tablespace, that means that server will take care of extent _____ and not DBA. This option is called _____ and in the dictionary view DBA_TABLESPACES will be named _____. **2 Points**
17. If DBA chooses to use Shared Server configuration, then at least parameter _____ must be set. In this case Listener process does NOT _____ a Server process, but rather redirects user connection request to the least used _____ process. Then all user requests will be placed in the common _____ and Server process with least activity will pick it up and continue to serve this User. **2 Points**
18. The most important criteria for DBW0 to flush off “dirty=modified” buffers from _____ is when _____. Then DBW0 is taking these “dirty” buffers to store them into _____ on disk. But, as we have learned some (very few actually) of these buffers belong to still not _____ transactions.

In the case of Instance crash, these buffer values on disk must be _____
with blocks (or before images) coming from Undo _____.

3 Points

19. A **third log member** should be added to a **fourth log group** and should go to the '\$HOME/oradata/DISK3' folder. Size of the existing two files in the fourth group is 5M. Write the syntax for this task.

3 Points

20. How can you **add a second datafile** to the tablespace PLAY, so that initial size of this file is 2M and it should be autoextended in steps of 100K up to 4M. This file should go to the 'oradata/DISK2' folder under user's home directory.

3 Points

21. What is the query that will figure out which Datafiles in what Tablespaces have automated extension of their extents turned on and then display the NEXT value and MAXSIZE value used in the syntax for that purpose.

4 Points

Answers:

1. d
2. d → LOG_BUFFER
3. c
4. c
5. b
6. c
7. a
8. a, d
9. b
10. e
11. b
12. c, e
13. c

14. ALERT LOG

15. LOG SEQUENCE

16. MANAGEMENT

SIZE

AUTOALLOCATE

SYSTEM

17. DISPATCHERS CREATE (SPAWN)
DISPATCHER REQUEST QUEUE
18. DATA BUFFER CACHE CHECKPOINT
DATA FILES COMMITTED (SAVED, FINISHED)
REPLACED(OVERWRITTEN) TABLESPACES (SEGMENTS)

19. > ALTER DATABASE ADD LOGFILE MEMBER
 '\$HOME/oradata/DISK3/redo04c.log' TO GROUP 4 ;
20. > ALTER TABLESPACE play
 ADD DATAFILE '\$HOME/oradata/DISK2/play02.dbf' SIZE 2M
 AUTOEXTEND ON NEXT 100K MAXSIZE 4M;
21. > SELECT tablespace_name, file_name, increment_by, maxbytes
 FROM dba_data_files
 WHERE autoextensible = 'YES'
 ORDER BY 1, 2;