

In order to learn which questions have been answered correctly:

1. Print these pages.
2. Answer the questions.
3. Send this assessment with the answers via:
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Or

- b. Mail the answers to the following address:

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QNO	Question	Answer
1.	High-load SQL statements can be identified by: a. Automatic Database Diagnostic Monitor b. Automatic Workload Repository c. V\$SQL view d. SQL Trace e. All pf the above	e
2.	The enhanced query optimizer has two modes, normal and _____ mode. a. Analysis b. Tuning c. Optimize d. Scrutiny e. None of the above.	b
3.	Automatic SQL Tuning includes four types of tuning analysis. Which is not one of the types? a. Statistics Analysis b. Heuristic Profiling c. SQL Profiling d. Access Path Analysis e. SQL Structure Analysis	b
4.	The input for the SQL Tuning Advisor can come from several sources. Which is not a source of input? a. Automatic Database Diagnostic Monitor b. High-load SQL statements c. Cursor cache d. SQL Tuning Set e. All are a source of input.	b
5.	The _____ source is used for tuning recent SQL statements that have yet to be captured in the AWR. a. Automatic Database Diagnostic Monitor b. High-load SQL statements c. Cursor cache d. SQL Tuning Set e. L2 Cache	c
6.	SQL tuning tasks can be created from: a. The text of a single SQL statement b. A SQL Tuning Set containing multiple statements c. A SQL statement selected by SQL identifier from the cursor cache d. A SQL statement selected by SQL identifier from the Automatic Workload Repository. e. All of the above.	e

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7.	<p>After a tuning task has been created, it will be necessary to execute the task and start the tuning process using which routine:</p> <p>a. DBMS_SQLTUNE.EXECUTE b. DBMS_SQLTUNE.RUN c. DBMS_SQLTUNE.RUN_TUNING d. DBMS_SQLTUNE.EXECUTE_TUNING_TASK e. None of the above.</p>	d
8.	<p>The _____ procedure is used to create an empty STS object in the database.</p> <p>a. CREATE_SQL b. CREATE_SQLSET c. CREATE_STS d. CREATE_SS e. None of the above.</p>	b
9.	<p>The OPTIMIZER_MODE initialization parameter establishes the default behavior for choosing an optimization approach for the instance. Which is not an option?</p> <p>a. ALL_ROWS b. FIRST_ROWS_n c. SMART d. FIRST_ROWS e. CHOOSE</p>	c
10.	<p>In order to specify the goal of the query optimizer for an individual SQL statement it will be necessary to hints. Which is not a hint?</p> <p>a. ALL_ROWS b. CPU_COSTING c. NO_CPU_COSTING d. RULE e. HEURISTIC</p>	e
11.	<p>This parameter specifies the number of blocks that are read in a single I/O during a full table scan or index fast full scan.</p> <p>a. CURSOR_SHARING b. DB_FILE_MULTIBLOCK_READ_COUNT c. OPTIMIZER_INDEX_CACHING d. OPTIMIZER_INDEX_COST_ADJ e. OPTIMIZER_MODE</p>	b
12.	<p>This parameter can be used to adjust the cost of index probes. The range of values is 1 to 10000.</p> <p>a. CURSOR_SHARING b. DB_FILE_MULTIBLOCK_READ_COUNT c. OPTIMIZER_INDEX_CACHING d. OPTIMIZER_INDEX_COST_ADJ e. OPTIMIZER_MODE</p>	d

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13.	<p>Several different query transformation techniques are employed by the query transformer. Which is not a technique?</p> <p>a. View Merging b. Merge Join c. Predicate Pushing d. Subquery Unnesting e. Query Rewrite with Materialized Views</p>	b
14.	<p>Oracle does I/O by _____ and not by rows.</p> <p>a. Section b. Zone c. Blocks d. Track e. Hash</p>	c
15.	<p>_____ scans are an alternative to a full table scan when the index contains all the columns that are needed for the query, and at least one column in the index key has the NOT NULL constraint. Which scan accesses the data in the index itself, without accessing the table.</p> <p>a. Fast full index scan b. Index Joins c. Index Skip Scans d. Index Range Scans Descending e. Index Range Scans</p>	a
16.	<p>The query optimizer chooses an access path based on the following factor(s):</p> <p>a. The available access paths for the statement. b. The estimated cost of executing the statement, using each access path or combination of paths. c. The size of the plan. d. a and b. e. a, b and c.</p>	d
17.	<p>Which of the following is not a Join Method:</p> <p>a. Nested Loop Joins b. Sampling Join c. Hash Joins d. Sort Merge Joins e. Outer Joins</p>	b
18.	<p>Nested loop joins are useful when small subsets of data are being joined and if the join condition is an efficient way of accessing the second table.</p> <p>a. Nested Loop Joins b. Sampling Join c. Hash Joins d. Sort Merge Joins e. Outer Joins</p>	a

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19.	<p>The GATHER_STATS_JOB job gathers optimizer statistics by calling the _____ procedure.</p> <p>a. DBMS_STATS.GATHER b. DBMS_STATS.DATABASE_STATS c. DBMS_STATS.STATS_JOB_PROC d. DBMS_STATS.GATHER_DATABASE_STATS_JOB_PROC e. None of the above.</p>	d
20.	<p>The optimizer system statistics are gathered by the DBMS_STATS package. The parameter that is seek time + latency time + OS overhead time is:</p> <p>a. iofrspeed b. ioseektim c. maxthr d. slavethr e. None of the above.</p>	b
21.	<p>The _____ Advisor is an alternative to manually determining which indexes are required. This advisor recommends a set of indexes when invoked:</p> <p>a. SQLAccess b. SQLIndexes c. SQLHints d. SQLOptimizer e. None of the above.</p>	a
22.	<p>A composite index contains more than one key column. Composite indexes can provide additional advantages over single-column indexes including:</p> <p>a. Improved selectivity b. Reduced I/O c. Improved updating d. a and b. e. a, b and c.</p>	d
23.	<p>Which if the following is not a valid guideline for ordering keys in composite indexes:</p> <p>a. Create the index so the keys used in WHERE clauses make up a leading portion b. If some keys are used in WHERE clauses more frequently, then be sure to create the index so that the more frequently selected keys make up a leading portion to allow the statements that use only these keys to use the index. c. If all keys are used in the WHERE clauses equally often but the data is physically ordered on one of the keys, then place that key first in the composite index. d. Avoid composite keys, if possible. e. They are all valid guidelines.</p>	d
24.	<p>It may be beneficial to _____ an index to compact it and minimize fragmented space, or to change the index's storage characteristics.</p> <p>a. Compress b. Reorg c. Free space d. Re-create e. None of the above.</p>	d

QNO	Question	Answer
25.	<p>Bitmap indexes can substantially improve performance of queries that have all of the following characteristic(s):</p> <ul style="list-style-type: none"> a. The WHERE clause contains multiple predicates on low- or medium-cardinality columns. b. The individual predicates on these low- or medium-cardinality columns select a large number of rows. c. The bitmap indexes used in the queries have been created on some or all of these low- or medium-cardinality columns. d. The tables in the queries contain many rows. e. All are valid characteristics. 	e
26.	<p>In order to supply a hint:</p> <ul style="list-style-type: none"> a. Use the HINT keyword b. Enclose the hint in a comment within the statement c. Use SET HINT d. Use the format HINT=hint e. None of the above. 	b
27.	<p>The _____ hint explicitly chooses the query optimization approach to optimize a statement block with a goal of best throughput (that is, minimum total resource consumption).</p> <ul style="list-style-type: none"> a. RULE b. CLUSTER c. ALL_ROWS d. INDEX e. NO_INDEX_SS 	c
28.	<p>_____ prevents certain database environment changes from affecting the performance characteristics of applications.</p> <ul style="list-style-type: none"> a. Plan stability b. Rigid stability c. Rigid isolation level d. Rigid hint e. None of the above. 	a
29.	<p>The row source tree is the core of the execution plan. It shows the following information except:</p> <ul style="list-style-type: none"> a. An ordering of the tables referenced by the statement. b. Query Cost Amount. c. An access method for each table mentioned in the statement. d. A join method for tables affected by join operations in the statement. e. Data operations like filter, sort, or aggregation. 	b

QNO	Question	Answer
30.	<p>Workload problems can be identified by End to End Application Tracing for the following except:</p> <ul style="list-style-type: none">a. Client identifier - specifies an end user based on the logon Id, such as HR.HRb. Service - specifies a group of applications with common attributes, service level thresholds, and priorities; or a single application, such as ACCTG for an accounting applicationc. Module - specifies a functional block, such as Accounts Receivable or General Ledger, of an application.d. Optimization Technique based on the cost.e. Action - specifies an action, such as an INSERT or UPDATE operation, in a module	d