

Exam Name:	Hyperion Essbase 7.1.2 Consultant		
Exam Type:	Oracle		
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Question: 1

When working with an aggregate storage database, what is the default dimension calculation order?

- A. Accounts, Time, Dense, Sparse, Two-Pass
- B. Stored hierarchies (variable order), Dynamic hierarchies
- C. Dynamic hierarchies, Stored hierarchies (variable order)
- D. Sparse, Accounts (if dense), Time(if dense), other Dense

Answer: B

Question: 2

What are two ways to improve dataload speed in block storage? (Choose two.)

- A. load the file from the client
- B. load the file from the server
- C. sort data files in order by Dense dimensions
- D. sort data files in order by Sparse dimensions

Answer: B, D

Question: 3

Which Analytic Services environment variable defines the encoding that Analytic Server uses to interpret text characters?

- A. EASPATH
- B. ESSLANG
- C. NLSLANG
- D. ARBORPATH

Answer: B

Question: 4

Which two statements are true when using Attribute dimension members in calculation functions? (Choose two.)

- A. Attribute dimension members cannot be assigned calculated data.
- B. The FIX command can contain Attribute dimension members only.
- C. The CALC DIM command can be used to aggregate an Attribute dimension.
- D. The FIX command can contain Attribute functions to derive base dimension member lists.

Answer: A, D

Question: 5

When creating an aggregate storage database, which three statements are true about hierarchies? (Choose three.)

- A. The first hierarchy under a dimension must be stored.
- B. When a hierarchy is tagged as Multiple Hierarchies Enabled, it must be label only.
- C. While not advisable, shared members can appear in the outline before their stored counterpart.
- D. Stored hierarchies within a Multiple Hierarchies Enabled dimension can have shared members.
- E. Dimensions tagged as Dynamic can contain both shared members and members with formulas.

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Answer: A, B, E

Question: 6

What is the default column delimiter in the Data Prep Editor?

- A. tab
- B. comma
- C. white space
- D. single quote

Answer: A

Question: 7

View the Exhibit.

			Cola
			Profit per Ounce
East	Jan	Actual	100.00
		Budget	200.00
		Variance%	-50.00
	Feb	Actual	90.00
		Budget	100.00
		Variance%	-10.00
	Mar	Actual	120.00
		Budget	100.00
		Variance%	20.00

In an aggregate storage database, "Profit per Ounce" (Measures dimension) and "Variance %" (Scenario dimension) are dynamically calculated members. To determine Variance %, you use this formula:

$$((\text{Actual} - \text{Budget}) / \text{Budget}) * 100$$

Which two solve order options (member - solver order) will produce the results shown in the spreadsheet shown in the exhibit? (Choose two.)

- A. Measures - 0
Profit Per Ounce - 1
Scenario - 0
Variance % - 0
- B. Measures - 2
Profit Per Ounce - 1
Scenario - 1
Variance % - 2
- C. Measures - 2
Profit Per Ounce - 0
Scenario - 0
Variance % - 1
- D. Measures - 0
Profit Per Ounce - 0
Scenario - 0
Variance % - 1

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Answer: B, D

Question: 8

Given the following information:

Dimensions D/S Actual/Stored Dimension Type
Year Dense 20/12 Time
Measures Dense 16/8 Accounts
Product Sparse 22/19 None
Market Sparse 250/250 None
Scenario Dense 5/2 None

What is the optimal outline order for calculation?

- A. Measures, Year, Scenario, Product, Market
- B. Product, Market, Scenario, Year, Measures
- C. Scenario, Measures, Year, Market, Product
- D. Year, Measures, Product, Market, Scenario

Answer: A

Question: 9

Which type of member is associated with the most efficient use of multiple IF commands in a calculation script?

- A. Dense
- B. Sparse
- C. Locked
- D. Unlocked

Answer: A

Question: 10

If Product and Market are the only Sparse dimensions, which file(s) would be restructured if a new member were added to the Product dimension?

- A. none
- B. data files only
- C. index files only
- D. both index and data files

Answer: C

Question: 11

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Input data:			
	Mar	100-10	New York
	Actual	Budget	Variance
Sales	250	200	#missing
COGS	100	75	#missing
Margin	#missing	#missing	#missing
<p>Calculation Script:</p> <pre> FIX ("100-10", "New York") CALC DIM ("Total Year", Measures, Scenario); ENDFIX </pre>			
Results:			
	Mar	100-10	New York
	Actual	Budget	Variance
Sales	250	200	50
COGS	100	75	-25
Margin	150	125	25

Using the input data, calculation script, and results, which account type is required for the calculation of the Variance member?

- A. TB First
- B. Dynamic Calc
- C. Two-Pass Calc
- D. Expense Reporting

Answer: D

Question: 12

What is the effect of deleting the sparse shared member Diet Cola assuming data values exist?

- A. The outline file shrinks.
- B. The block size is smaller.
- C. The page file size shrinks.
- D. The block density increases.

Answer: A

Question: 13

Due to a large user base, processor resources and retrieval times are a concern. To alleviate this you need to create multiple copies of the database to spread requests across multiple servers. In addition, if one database is off-line, users' requests should be routed to one of the other database copies. Which Essbase component can you use to accomplish this?

- A. Essbase Partitioning Option
- B. Essbase Integration Services

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- C. Essbase Deployment Services
- D. Essbase Spreadsheet Services

Answer: C

Question: 14

The average block density is between 10% and 90% and there are few consecutive repeating values or zeros. Which data compression type is recommended?

- A. RLE
- B. ZLIB
- C. bitmap
- D. no compression

Answer: C

Question: 15

A default calculation is performed on an outline with Two-Pass Account members. Which data storage setting will ensure one pass through the database?

- A. Accounts-Dense; Time-Dense; Scenario-Dense; Market-Sparse; Product-Sparse
- B. Accounts-Dense; Time-Sparse; Scenario-Sparse; Market-Sparse; Product-Sparse
- C. Accounts-Sparse; Time-Dense; Scenario-Dense; Market-Sparse; Product-Sparse
- D. Accounts-Sparse; Time-Sparse; Scenario-Dense; Market-Sparse; Product-Sparse

Answer: A

Question: 16

Which directory should be included in your backup process for your aggregate storage database?

- A. arborpath\bin
- B. arborpath\locale
- C. arborpath\app\appname
- D. Hyperion_Home\common

Answer: C

Question: 17

Given the following:

Committed access
Pre-image disabled
Wait time equal to 0

What happens if a spreadsheet retrieval is attempted while a CALC ALL is being performed?

- A. The data are retrieved.
- B. Precalculated data are retrieved.
- C. A time-out error message is displayed.
- D. The user waits a specified number of seconds.

Answer: C

Question: 18

View the Exhibit.

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```

IIF(
  ISLEVEL([Period].CurrentMember, 0),
  Inventory,
  IIF(
    NOT IsEmpty ([Period].CurrentMember.LastChild,
  Inventory)),
    IIF( IsLevel ([Period].CurrentMember, 1),
      ([Period].CurrentMember.LastChild, Inventory),
      ([Period].CurrentMember.LastChild, [Ending
  Inventory])
    ),
  Missing
)
)

```

Given the member formula for Ending Inventory in the exhibit, which statement is true?

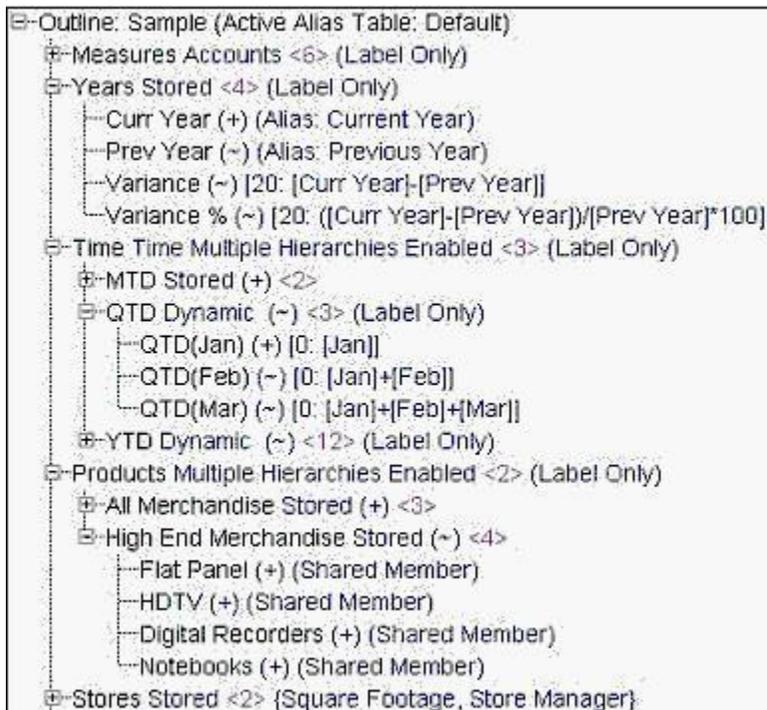
- A. It will not evaluate to a value if data is nonempty.
- B. If the first IIF condition is false, the formula evaluates to MISSING.
- C. For level three members of the Period dimension, the formula evaluates to missing.
- D. The syntax is invalid because you cannot nest an IIF within an IIF statement.

Answer: C

Question: 19

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When validating the aggregate storage outline shown in the exhibit, which hierarchy will validate correctly?

- A. Years only
- B. High End Merchandise only
- C. Years, QTD, High End Merchandise
- D. QTD and High End Merchandise only

Answer: A

Question: 20

Which caches are used by an aggregate storage database?

- A. data cache
- B. index cache
- C. data file cache
- D. aggregate storage cache

Answer: D

Question: 21

Given the following dense/sparse configuration:

Dimension	Storage
Total Year	dense
Measures	dense
Scenario	dense
Product	sparse
Market	sparse

Which calculation script minimizes the number of passes through the database?

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A. DATACOPY Actual to Budget;Fix (Feb)
 Budget = Actual* 1.5
 Endfix;
 B. Fix (Jan)Budget = Actual;
 Endfix;
 Fix (Feb)
 Budget = Actual*1.5;
 Endfix;
 C. Budget (IF(@ISM BR (Jan))Budget = Actual;
 ELSEIF
 (@ISM BR(Feb)
 Budget = Actual * 1.5;
 ENDIF;)
 D. Budget (IF(@ISM BR (Jan))Budget = Actual;
 ENDIF;
 IF (@ISM BR(Feb)
 Budget = Actual * 1.5;
 ENDIF;)

Answer: C

Question: 22

When loading data into an Essbase database that contains attribute dimensions, _____.

- A. you can load data to members in attribute dimensions
- B. each attribute dimension must be represented in the data load
- C. attribute associations with base dimensions can be done after the data load
- D. attribute associations with base dimensions are derived during the data load

Answer: C

Question: 23

When optimizing your database, which type of members are optimal candidates for the Dynamic Calc tags?

- A. parent level with a label only tag
- B. parent level member on a large Sparse dimension
- C. level 0 members with formulas on a Dense dimension
- D. level 0 members without formulas on a Sparse dimension

Answer: C

Question: 24

Which partition type(s) does aggregate storage partitioning support?

- A. transparent partition only
- B. replicated and linked partitions only
- C. transparent and replicated partitions
- D. transparent partitions and joined partitions

Answer: A

Question: 25

Query tracking holds query usage information in memory. Query tracking remains on until you turn it off. Which three operations turn off query tracking? (Choose three.)

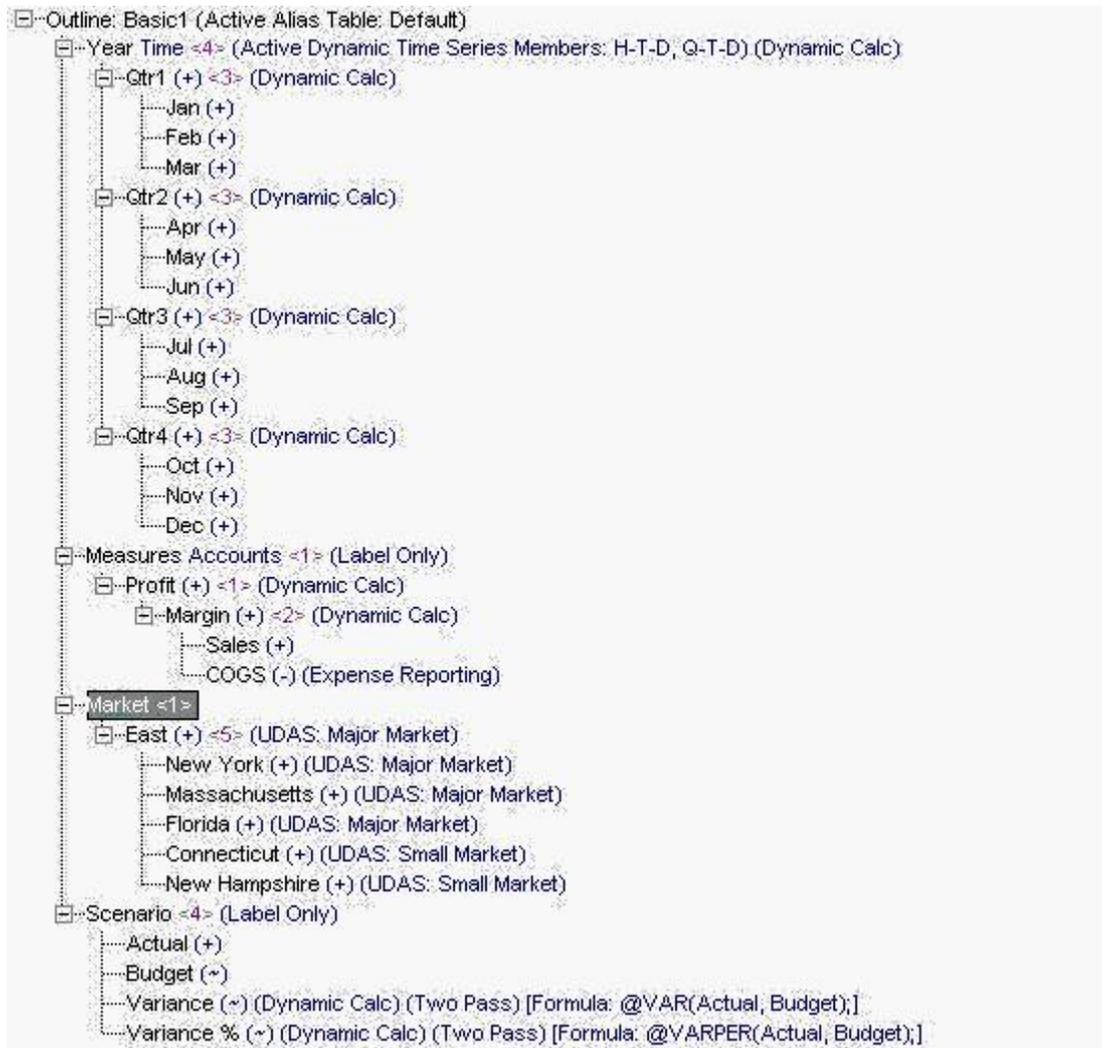
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- A. clearing data
- B. changing an outline
- C. stopping the application
- D. turning query tracking off
- E. materializing an aggregation

Answer: B, C, D

Question: 26

View the Exhibit.



In the outline shown in the exhibit, Year and Measures are dense dimensions. Data are loaded for every Month, Measure, Market and Scenario. After a CALC ALL is run, how many blocks are there?

- A. 14
- B. 18

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- C. 24
- D. 30

Answer: A

Question: 27

You have a calculated database with a dense Accounts dimension containing a parent/child relationship between Revenue and Cost. What is the status of the blocks that contain Revenue cells after data are loaded to Cost?

- A. dirty
- B. clean
- C. locked
- D. unlocked

Answer: A

Question: 28

Which statement about connection pools is correct?

- A. Connection pools are defined at the application server level.
- B. A connection pool is required to be defined against a cluster.
- C. All users in a single connection pool can have different Essbase security filter access.
- D. A connection pool contains only one user ID and password when accessing Essbase.

Answer: D

Question: 29

Which statement is true about conversion of a block storage database to an aggregate storage database?

- A. A conversion log is created in the Arborpath directory.
- B. The conversion wizard converts, outlines, load rules and security filters.
- C. An outline can be converted from both the file system and an active database.
- D. Block storage member formula syntax is commented out and converted to MDX.

Answer: C

Question: 30

Given the following calculation script and a total of 32 data blocks:

```
SET CLEARUPDATESTATUS ONLY;
CALC ALL;
```

How many blocks will be calculated?

- A. 0
- B. 8
- C. 16
- D. 32

Answer: A

Question: 31

Which three settings in the essbase.cfg file must be set to configure a multiple instance of an Analytic Server? (Choose three.)

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- A. PORTBEGIN
- B. AGENTPORT
- C. SERVERPORTEND
- D. AGENTPORTBEGIN
- E. SERVERPORTBEGIN

Answer: B, C, E

Question: 32

When will a default calc (CALC ALL) calculate Two-Pass members in one pass?

- A. when Time is dense and Accounts is sparse
- B. when the Account and Time dimensions are dense
- C. when the Time tag is used and the dimension is dense
- D. when the Accounts tag is used and the dimension is dense

Answer: B

Question: 33

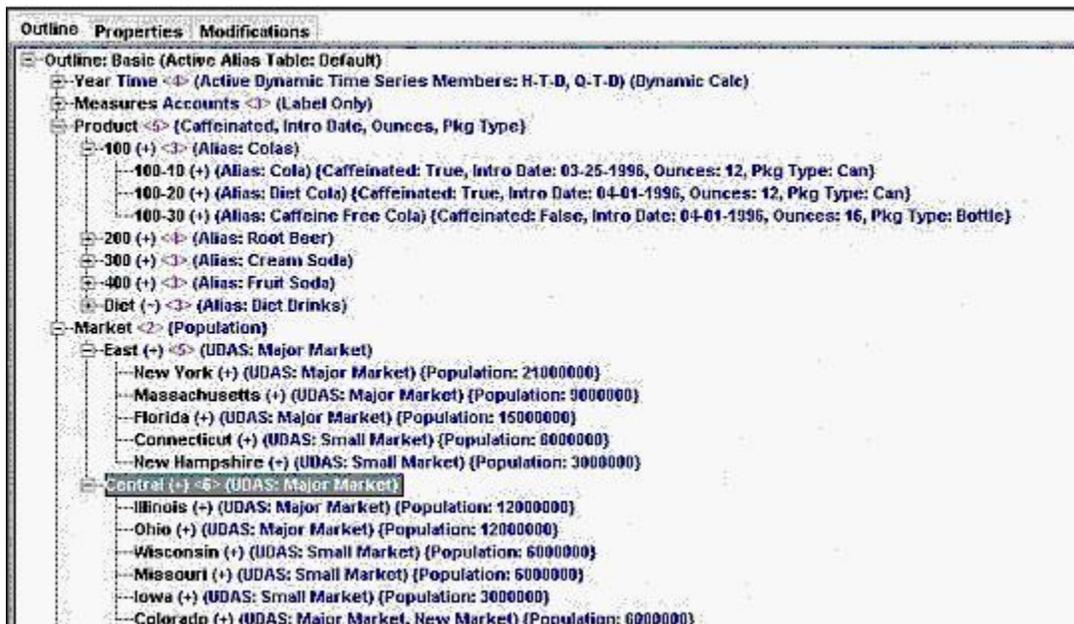
When selecting the most optimal dimension in an aggregate storage database to tag as Accounts, you should choose a _____.

- A. sparsely populated dimension with formulas
- B. densely populated dimension with deep hierarchies
- C. sparsely populated dimension with deep hierarchies
- D. flat dimension (a dimension that does not have many levels)

Answer: D

Question: 34

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Using the outline shown in the exhibit and the following calculation script, which three statements are true about the Sales member after calculation? (Choose three.)

```

FIX (@IDESCENDANTS("100"), Budget)
Marketing
(IF (@ISDESC(East) AND @ISUDA(Market, "Major Market"))
Marketing = 150 ;
ELSEIF (@ISDESC(East) AND @ISUDA(Market, "Small Market"))
Marketing = 100 ;
ELSEIF (@ISUDA(Market, "New Market"))
Marketing = 200;
ENDIF;) ENDFIX

```

- A. Cola, Florida, Budget is 100.
- B. Diet Cola, Colorado, Budget is 200.
- C. Diet Cola, New York, Budget is 150.
- D. Cola, New Hampshire, Actual is 100.
- E. Diet Cola, Connecticut, Budget is 100.

Answer: B, C, E

Question: 35

When the Aggregate Missing Values setting is enabled, it _____.

- A. requires data to be input at upper levels
- B. permits a dataload to delete existing values
- C. overwrites upper level data during calculation
- D. does NOT overwrite upper level data during calculation

Answer: C

Question: 36

Which type of member cannot have a User-Defined Attribute (UDA)?

- A. Time
- B. Account
- C. Dynamic Calc
- D. Attribute dimension member

Answer: D

Question: 37

Which three MDX queries are valid? (Choose three.)

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A.

```
select
  {[100-10]\} on columns,
  {[Qtr1]:[Qtr4]\} on rows
from sample.basic;
```

B.

```
select
  ([Product].Children) on columns
from sample.basic
where ([Actual],[Profit]);
```

C.

```
select
  {East, West\} on columns,
  { ([Qtr1], [Sales]), ([COGS], [Qtr1]) \} on rows
from sample.basic;
```

D.

```
select
  Crossjoin({[100-10]\}, Generations([Measures], 2).Members) on columns,
  Crossjoin({[Scenario]\}, [Year].Generations(3).Members) on rows
from sample.basic;
```

A. ACD

Answer: A

Question: 38

Which two statements are true about how IFERROR operates in MaxL? (Choose two.)

- A. IFERROR can be used only once in a batch script.
- B. IFERROR can be used after every statement in a batch script
- C. If a previously executed command fails, IFERROR skips subsequent statements, up to a predefined label name.
- D. If an executed command after the IFERROR statement fails, IFERROR skips to a predefined label where it resumes execution.

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Answer: B, C

Question: 39

Aggregate storage supports write-back functionality with some restrictions. What are three restrictions for partitioning and write back functionality? (Choose three.)

- A. linked partitions only
- B. replicated partitions only
- C. no outline synchronization
- D. transparent partitions only
- E. aggregate storage database as the source database

Answer: C, D, E

Question: 40

What are two methods to optimize a block storage dataload? (Choose two.)

- A. add to existing values
- B. use commas for field delimiters
- C. place a Dense dimension across columns
- D. sort data file in order by Sparse dimensions

Answer: C, D

Question: 41

You have an environment with 100 combined Hyperion Planning and Hyperion Essbase users. All 100 users require access to Planning and 50 users require additional access to native Essbase. You have purchased just enough licenses for these users. Considering e-licensing requirements, which statement is correct?

- A. You have 50 native Essbase licenses and 100 separate licenses for Planning.
- B. You have 100 Planning licenses to accommodate both Essbase and Planning requirements.
- C. You have 100 native Essbase licenses to accommodate both Essbase and Planning requirements.
- D. You have 150 native Essbase licenses to accommodate both Essbase and Planning requirements.

Answer: A

Question: 42

Depending on how you want to balance memory usage and data retrieval time, you can customize outline paging for aggregate storage outlines by using one or more settings in the essbase.cfg file. Which three essbase.cfg settings are used for optimizing outline paging? (Choose three.)

- A. CCTRACK
- B. OPGCACHESIZE
- C. AGTSVRCONNECTIONS
- D. PRELOADALIASNAMESPACE
- E. PRELOADMEMBERNAMESPACE

Answer: B, D, E

Question: 43

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Which command allows you to optimize formula calculations in Sparse dimensions of large outlines?

- A. CALCCACHE
- B. SET FRMLBOTTOMUP
- C. CALCOPTCALCHASHTBL
- D. SET CLEARUPDATESTATUS

Answer: B

Question: 44

Which two statements are true about incremental data loads? (Choose two.)

- A. Incremental data loads are not supported in an aggregate storage database.
- B. Incremental data loads are supported for all outlines in a block storage database.
- C. Incremental data loads are supported for outlines that change in an aggregate storage database.
- D. Incremental data loads are supported only for outlines that do not change in an aggregate storage database.

Answer: B, D

Question: 45

View the Exhibit.

Input data:			
	Market	Budget	Misc
	Jan		
100-10		100	
100-20		200	
100-30		350	
200-10		100	
200-20		200	
200-30		350	
200-40		400	
Product	#missing		

Actual COGS data have been loaded and calculated. Misc for Budget is input by level 0 Products at the Market level as shown by the input data.

Which calculation allocates Misc to the level 0 Market members based on the relationship of Actual COGS for the level 0 Market members to the total Market member?

- A. FIX (Budget, @LEVMBRS (Market,0))Misc = Misc->Market * (COGS->Actual / COGS->Actual->Market);
ENDFIX
- B. FIX (Budget, @LEVMBRS (Product,0))Misc = Misc->Product * (COGS->Actual / COGS->Actual->Market);
ENDFIX
- C. FIX (Budget, @LEVMBRS (Product,0))Misc = Misc->Market * (COGS->Actual /

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```
@PARENTVAL(Market,COGS);
ENDFIX
D. FIX (Budget, @LEVMBRS (Product,0))Misc = Misc->Market->Actual * (COGS->Actual /
COGS->Actual->Market);
ENDFIX
```

Answer: A

Question: 46

Which three are used to calculate Period-to-Date Values (e.g. Year to Date, Quarter to Date) in an aggregate storage database? (Choose three.)

- A. Dynamic Time Series
- B. MDX member formulas
- C. Custom Defined Functions
- D. Alternate Time Period hierarchies
- E. Essbase Partitioning to a block storage database

Answer: B, D, E

Question: 47

You have a calculated database with all blocks marked clean. A member formula in a Sparse dimension is changed in the outline and saved. What is the status of the corresponding sparse member block?

- A. dirty
- B. clean
- C. locked
- D. unlocked

Answer: B

Question: 48

In block storage database, data are stored in the essn.pag file. In aggregate storage, which three locations on a file system store data? (Choose three.)

- A. arborpath\app\appname\log\essn.dat
- B. arborpath\app\appname\data\essn.dat
- C. arborpath\app\appname\default\essn.dat
- D. arborpath\app\appname\common\essn.dat
- E. arborpath\app\appname\metadata\essn.dat

Answer: A, C, E

Question: 49

What creates fragmentation in a block storage database?

- A. renaming a member in the outline
- B. deleting a member from a dense dimension
- C. deleting a member from a sparse dimension
- D. deleting a shared member from a dense dimension

Answer: C

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Question: 50

Within Database | Properties | Statistics, what does block density indicate?

- A. the actual number of blocks existing within the database
- B. the average percentage of data cells within each block that contain data
- C. the maximum possible number of blocks that could exist for this database
- D. the percentage of blocks that exist compared to the total potential number of blocks

Answer: B

Question: 51

With incremental restructuring enabled, which three actions cause a deferred restructure on a database? (Choose three.)

- A. adding a member to a Sparse dimension
- B. deleting a member of a Dense dimension
- C. moving a regular member within a Dense dimension
- D. adding a shared member to a Sparse or Dense dimension
- E. defining a regular dense dimension member as Dynamic Calc and Store

Answer: A, B, C

Question: 52

What is the default retrieval buffer size in kilobytes?

- A. 2
- B. 10
- C. 100
- D. 1,000

Answer: B

Question: 53

The ESS00001.IND is 70 MB and the ESS00001.PAG is 450 MB. What is the most optimal Index Cache setting?

- A. 50 MB
- B. 140 MB
- C. 350 MB
- D. 450 MB

Answer: A

Question: 54

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The screenshot shows the Data Prep Editor interface. At the top, it displays 'Encoding: Unknown'. Below this is a table with 5 rows and 7 columns. The columns are labeled 1 through 7. The data in the table is as follows:

	Field1	Field2	Field3	Field4	Field5	Field6	Field7
1	1998	Actual	California	Cola	Sales	jan	145
2	1998	Actual	California	Caffeine Free Cola	Sales	jan	121
3	1999	Budget	California	Cola	Sales	jan	130
4	1999	Budget	California	Caffeine Free Cola	Sales	jan	115
5	1998	Actual	California	Cola	Sales	feb	190

Below the table, a 'Select Record' dialog box is open. It shows a rule for 'Field: Field1' with the following conditions:

Type	String/Number	Condition	Case...
Number	125	Greater than or equal to	<input type="checkbox"/>
Number	190	Not equal	<input type="checkbox"/>

Given the Rules file shown in the exhibit, how many row(s) will be loaded?

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

Answer: B

Question: 55

Which statement about Dynamic Time Series is true?

- A. It provides to-date functionality.
- B. It performs stored consolidations.
- C. It allows for Dynamic Time dimension builds.
- D. It creates alternate alias table(s) based on a Time dimension.

Answer: A

Question: 56

In the Member Selection Dialog available in the Essbase Spreadsheet Add-in, what should you use to select members based on User Defined Attributes (UDA) and Attribute dimensions?

- A. Find
- B. Subset
- C. Generation Name

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D. Member Information

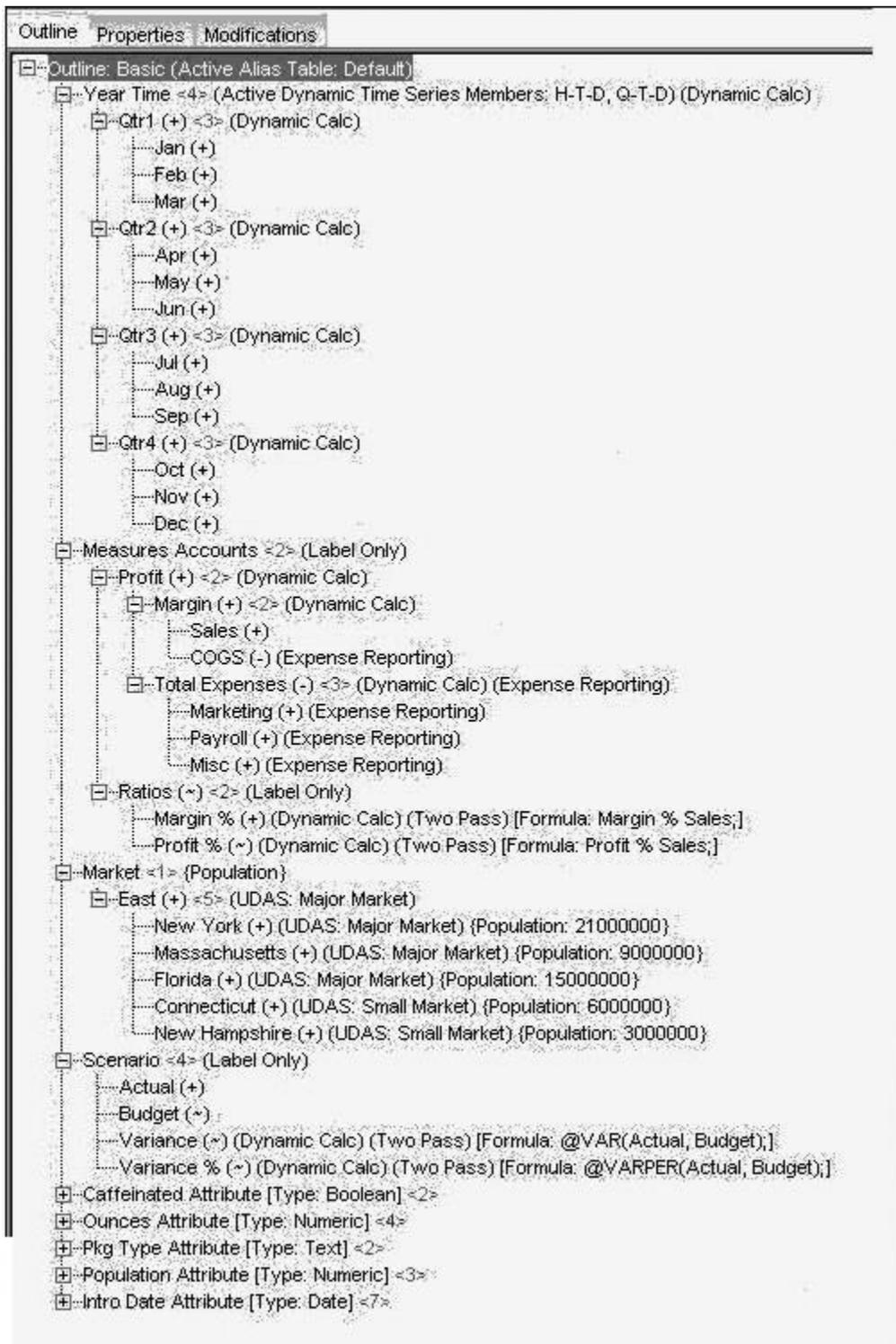
Answer: B

Question: 57

View the Exhibit.

In the outline shown in the exhibit, Year, Measures, and Scenario are Dense dimensions.

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What is the block size (in bytes)?

- A. 120
- B. 480

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- C. 960
- D. 1440

Answer: C

Question: 58

Members in the Attribute Calculations dimension should be _____.

- A. used in calc scripts
- B. viewed in the Outline Editor
- C. used to create crosstab reports with other Measures
- D. invoked without any Attribute dimension members involved

Answer: C

Question: 59

What are the three methods in Essbase Administration Services (EAS) that you can use to view data? (Choose three.)

- A. MDX scripts
- B. Preview Data
- C. View Data tab
- D. Report scripts
- E. Preview Export

Answer: A, B, D

Question: 60

View the Exhibit.

Given this information:

=====

Dimension Dense/Sparse Dimension Type

=====

Measures Dense Accounts

Time Dense Time

Scenario Sparse None

Product Sparse None

Market Sparse None

Variance - Dynamic Calc member in the Scenario dimension

Margin % - Dynamic Calc, Two-Pass member in the Measures dimension

To produce the value, highlighted in yellow, in the exhibit, you need to ensure that Variance is calculated after Margin %.

What ensures this calculation order?

		Product	Market
		Jan	
	Actual	Budget	Variance
Margin	17378.00	16850.00	528.00
Sales	31538.00	29480.00	2058.00
Margin %	55.10	57.16	-2.06

- A. make Scenario a Dense dimension

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- B. move the Measures after Scenario in the outline
- C. tag Variance as a Two-Pass, as well as Dynamic Calc
- D. No change needs to be made, the values will calculate properly.

Answer: A

Question: 61

On a Hyperion Essbase server with four processors, what is the maximum number of processors that should be assigned when enabling parallel calculations?

- A. one
- B. two
- C. three
- D. four

Answer: C

Question: 62

Within which two functions could @CURMBRRANGE be embedded? (Choose two.)

- A. @PRIOR
- B. @AVGRANGE
- C. @SUMRANGE
- D. @DESCENDENT

Answer: B, C

Question: 63

Which statement is true when using Attributes in the Areas section of your partition definition?

- A. Area definition can be defined by Attribute dimension members only.
- B. Attribute functions can be used to partition on Attribute dimensions.
- C. Attribute dimension members cannot be used for a partition definition.
- D. Attribute dimension members must be the same between target and source databases.

Answer: B

Question: 64

What are three ways in which Aggregate Storage (ASO) differs from Block Storage (BSO) in both concept and design? (Choose three.)

- A. API
- B. MDX queries
- C. storage Kernel
- D. database creation
- E. physical storage definition

Answer: C, D, E

Question: 65

Which statement is true about the @ATTRIBUTEVAL function?

- A. It is used for numeric and boolean Attribute types only.
- B. It returns the numeric value associated with level-0 Attribute members.
- C. It returns a list of all base members that are associated with a specific Attribute member name.

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D. It returns a list of all Attribute dimension members that are associated with a specific base member name.

Answer: B

Question: 66

Given a transparent partition, what is the correct sequence for calculating the target database?

1. Synchronize the outline
2. Calculate the target database
3. Replicate the data
4. Calculate the source database(s)

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

Answer: A

Question: 67

Which three statements are true regarding dense and sparse data storage? (Choose three.)

- A. The Entities dimension is usually dense.
- B. Most multidimensional databases are inherently sparse.
- C. Assigning the data storage settings correctly will ensure optimal performance.
- D. The division of dense and sparse data storage settings allows Analytic Services to cope with data that are smoothly distributed.
- E. A Dense dimension is a dimension with a high probability that one or more data points is occupied in every combination of dimensions.

Answer: B, C, E

Question: 68

Which two commands should be used in a report script to optimize data export? (Choose two.)

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A.

<SORTLEVEL>

B.

{OUTALTNAMES\\}

C.

{SUPZEROROWS\\}

D.

{SUPMISSINGROWS\\}

A. C D

Answer: A

Question: 69

Which two statements about Attribute dimensions are true? (Choose two.)

- A. Attribute dimensions can contain hierarchies.
- B. Attribute dimensions are dynamically calculated at query time.
- C. Attribute dimensions can be used by Multiple Base dimensions.
- D. Attribute dimensions can be associated with Dense dimensions.

Answer: A, B

Question: 70

View the Exhibit.

Given the Data Prep Editor shown in the exhibit, what defines the field 1 header to build Markets dimension?

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1	Aspen			Colorado	Central	Markets	
2	Denver	Big Market		Colorado	Central	Markets	
3	Grand Junction			Colorado	Central	Markets	
4	Chicago	Big Market	Test Market	Illinois	Central	Markets	
5	Peoria			Illinois	Central	Markets	
6	Indianapolis			Indiana	Central	Markets	
7	South Bend			Indiana	Central	Markets	
8	Des Moines			Iowa	Central	Markets	
9	Dubuque			Iowa	Central	Markets	
10	Topeka			Kansas	Central	Markets	

	Field1	Field2	Field3	Field4	Field5	Field6	Field7
1	Aspen				Colorado	Central	Markets
2	Denver	Big Market			Colorado	Central	Markets
3	Grand Juncti...				Colorado	Central	Markets
4	Chicago	Big Market	Test Market		Illinois	Central	Markets
5	Peoria				Illinois	Central	Markets
6	Indianapolis				Indiana	Central	Markets
7	South Bend				Indiana	Central	Markets
8	Des Moines				Iowa	Central	Markets
9	Dubuque				Iowa	Central	Markets

- A. Gen2, Markets
- B. Child0, Markets
- C. Level0, Markets
- D. Level1, Markets

Answer: C

Question: 71

Your company wants to analyze historical data to help forecast trends. Initially, you need to classify which products have similar sales patterns across various markets. Which option can you use to determine the initial sales segmentation?

- A. Hybrid Analysis
- B. @TREND function
- C. @SPLINE Function
- D. Data Mining Framework

Answer: D

Question: 72

Which three storage kernel features do aggregate storage databases support? (Choose three.)

- A. dense data
- B. sparse data
- C. rapid aggregation
- D. optimized to support high dimensionality
- E. multiple blocks defined by Dense and Sparse dimensions and their members, optimized for financial applications

Answer: B, C, D

Question: 73

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You recently implemented an aggregate storage database. Part of your batch process involves loading of level 0 data and selecting default views. Your level 0 data load is approximately 3 gigabytes. Which two techniques can you use to improve query times? (Choose two.)

- A. create custom aggregation and allocate more disk space for aggregate views
- B. enable query logging on the database and add to the existing aggregate views
- C. enable query tracking on the database and add to the existing aggregate views
- D. increase the aggregate storage cache to accommodate additional aggregate views

Answer: A, C

Question: 74

Which three actions cause the database to defragment and be fully restructured? (Choose three.)

- A. adding a Dense member to the outline
- B. changing a member formula in the outline
- C. changing a Sparse dimension to a Dense dimension
- D. redefining a Stored Dense dimension member as Dynamic Calc (Non-Store)

Answer: A, C, D

Question: 75

Incremental Restructuring is enabled. Product and Market are the only sparse dimensions. If you reverse the order of these two Sparse dimensions, what is the incremental restructuring implication?

- A. none
- B. restructure deferred
- C. overrides incremental restructuring and restructures index files only
- D. overrides incremental restructuring and restructures both index and data files

Answer: C

Question: 76

Given the following calculation script and a total of 32 data blocks:

```
SET UPDATECALC ON;
SET CLEARUPDATESTATUS AFTER;
CALC ALL;
```

How many blocks will be marked dirty during calculation?

- A. 0
- B. 8
- C. 16
- D. 32

Answer: A

Question: 77

When should you select Shared Member functionality, as opposed to Attribute dimension functionality? (Choose two.)

- A. when providing crosstab reports
- B. when applying a member formula

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- C. when providing an alternate hierarchy for reporting
- D. when creating alternate hierarchies in a Dense dimension

Answer: C, D

Question: 78

Essbase does the following for a full restructure:

1. creates temporary files named dbname.inn, essxxxxx.inn, essxxxxx.pan,dbname.otn, dbname.esn, and dbname.tcu
2. reads the blocks from the database files .ind, .pag, .otl, .esm, and .tct files; restructures the blocks in memory; and stores the blocks in the new temporary files
3. removes the database files .ind, .pag, .otl, .esm, and .tct files
4. renames the temporary files to the correct file names: .ind, .pag, .otl, .esm, and .tct If a system failure occurs during this process, which step would put Essbase in need of recovering free space?

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

Answer: B

Question: 79

View the Exhibit.

1	Aspen			Colorado	Central	Markets	
2	Denver	Big Market		Colorado	Central	Markets	
3	Grand Junction				Colorado	Central	Markets
4	Chicago	Big Market	Test Market	Illinois	Central	Markets	
5	Peoria			Illinois	Central	Markets	
6	Indianapolis			Indiana	Central	Markets	
7	South Bend			Indiana	Central	Markets	
8	Des Moines			Iowa	Central	Markets	
9	Dubuque			Iowa	Central	Markets	
10	Topeka			Kansas	Central	Markets	

	Field1	Field2	Field3	Field4	Field5	Field6	Field7
1	Aspen				Colorado	Central	Markets
2	Denver	Big Market			Colorado	Central	Markets
3	Grand Juncti...				Colorado	Central	Markets
4	Chicago	Big Market	Test Market		Illinois	Central	Markets
5	Peoria				Illinois	Central	Markets
6	Indianapolis				Indiana	Central	Markets
7	South Bend				Indiana	Central	Markets
8	Des Moines				Iowa	Central	Markets
9	Dubuque				Iowa	Central	Markets

Given the Data Prep Editor shown in the exhibit, what defines the field 3 header to build Markets dimension?

- A. UDA0, Markets
- B. Level1, Markets
- C. Parent0, Markets
- D. Userattrib2, Markets

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Answer: A

Question: 80

Which two statements are true about aggregate storage databases? (Choose two.)

- A. Upper level members are all dynamically calculated.
- B. Hyperion Planning can create aggregate storage databases.
- C. Only one database can be created in an aggregate storage application.
- D. The conversion wizard converts calculation scripts to aggregation scripts.

Answer: A, C

Question: 81

Which two statements are true about aggregate storage MDX formulas? (Choose two.)

- A. MDX outline formulas can be focused to specific members.
- B. A dimension with an MDX formula can also have Shared Members.
- C. The correct results of "Sales = Price x Quantity" formula can be calculated and stored.
- D. A calculation script can be used to populate data cells with the correct result of an allocation calculation.

Answer: A, B

Question: 82

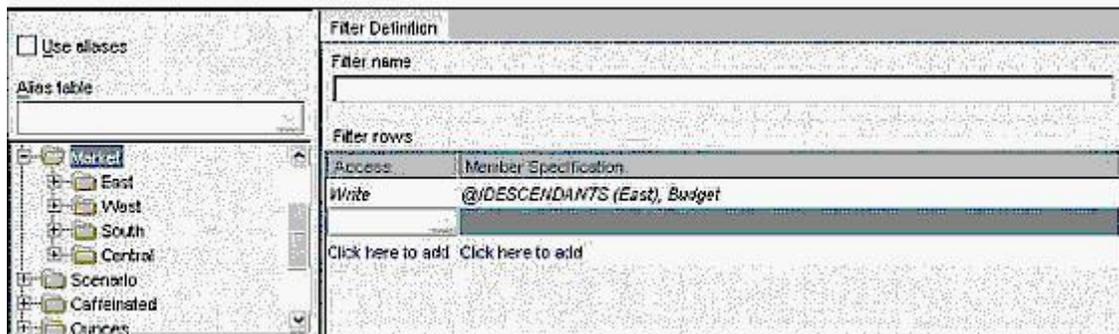
Which two must be restarted to activate database changes to cache settings in both aggregate storage and block storage databases? (Choose two.)

- A. Essbase server
- B. Essbase database
- C. Essbase application
- D. Restart is NOT required.

Answer: A, C

Question: 83

View the Exhibit.



Which two statements are true about the filter shown in the exhibit? (Choose two.)

- A. Read access is granted to the market East OR the Scenario Budget.
- B. Write access is granted to the market East OR the Scenario Budget.
- C. Read access is granted to the market East AND the Scenario Budget.
- D. Write access is granted to the market East AND the Scenario Budget.

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Answer: C, D

Question: 84

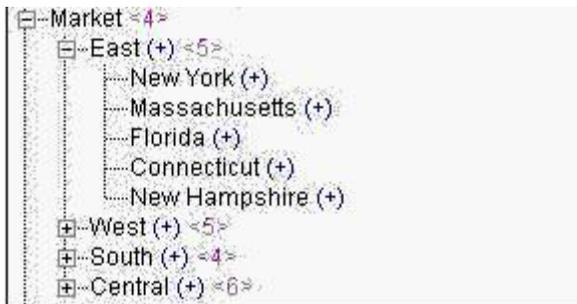
What are three disadvantages of a transparent partition? (Choose three.)

- A. old level 0 data
- B. redundant storage
- C. increased network load
- D. higher degree of outline synchronization
- E. slower query and calculation performance

Answer: C, D, E

Question: 85

View the Exhibit.



In the Sample Basic database shown in the exhibit, if a user only has MetaRead access to the "New York" member in the Product dimension, which statement is true when viewing the entire Product dimension hierarchy in the Essbase Spreadsheet Add-In?

- A. The user will see all members in the Product dimension.
- B. The user will only see the "New York" member and no other members.
- C. The user will only see the "New York" member and its parent, the "East" member. No other members are visible.
- D. The user will only see the "New York" member, its parent the "East" member and the dimension parent "Market." No other members are visible.

Answer: D

Question: 86

Which three options can you use to filter data in the Essbase Query Designer? (Choose three.)

- A. date type values
- B. zero data values
- C. fixed data values
- D. string data values
- E. #MISSING data values

Answer: B, C, E

Question: 87

What are two basic differences between the calculation commands CALC DIM and AGG? (Choose two.)

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- A. AGG executes member formulas.
- B. CALC DIM executes member formulas.
- C. AGG is faster than CALC DIM in a Sparse dimension.
- D. CALC DIM is faster than AGG in a Sparse dimension.

Answer: B, C

Question: 88

Year, Measures, and Scenario are Dense dimensions and Product and Market are Sparse. Which three formulas create only one block? (Choose three.)

- A. Cola->Florida = 100;
- B. Colas->"New York" = 100;
- C. Jan->Sales->Actual->Colas = 100;
- D. Jan->Sales->Actual->"New York" = 100;
- E. Jan->Sales->Actual->Cola->"New York" = 100;

Answer: A, B, E

Question: 89

Part of your batch process requires exporting a subset of data with a report script. This script contains 10 columns (dense dimension members) and tens of thousands of rows. What should you do to potentially improve retrieval performance?

- A. increase the Retrieval Buffer size
- B. increase the Outline Paging cache
- C. increase the Report Extractor cache
- D. increase the Retrieval Sort Buffer size

Answer: A

Question: 90

What does the setting NETDELAY 500 represent?

- A. the number of times the network will retry a connection before failing and reporting an error
- B. the amount of time in milliseconds an unsuccessful operation waits before Essbase retries the operation
- C. the amount of time in seconds allowed to a Named Pipes network to establish a connection to your server
- D. the number of seconds an Essbase agent thread waits for a resource to become available so it can perform a specific action

Answer: B

Question: 91

The stored members in the Dense dimension Scenario are Actual and Budget. Database A has Actual and Budget data loaded for all products in all markets. Database B has only the Budget data loaded for all products in all markets. Which statement about database B is true?

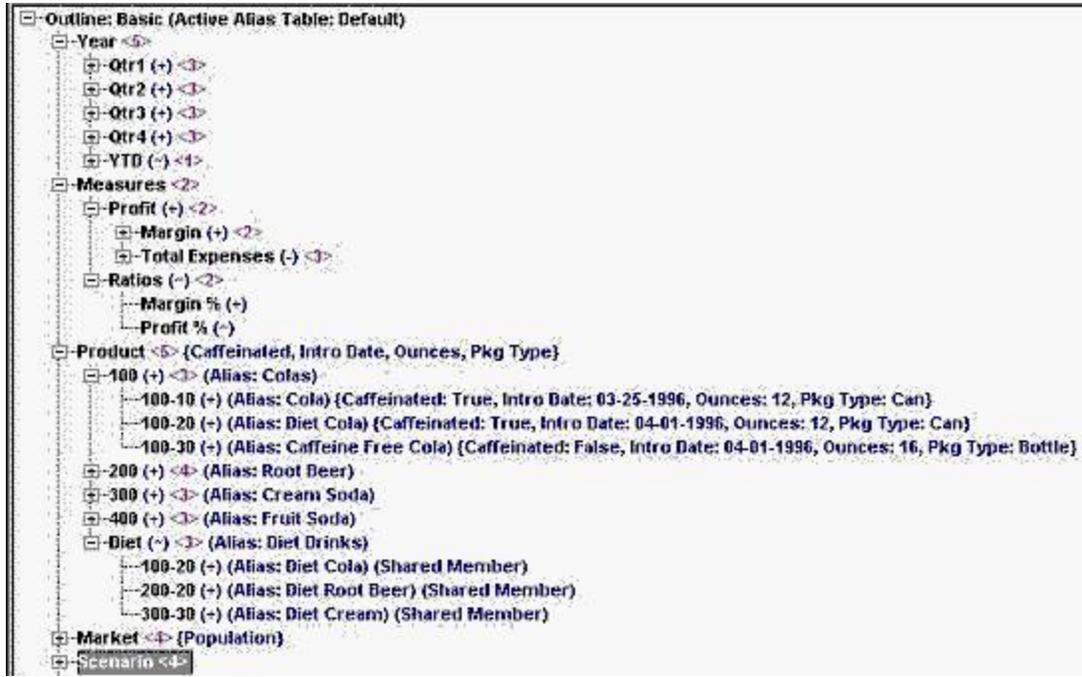
- A. The index is half as large as database A.
- B. It has half the number of blocks that exist in database A.
- C. Block density is reduced by fifty percent from database A.
- D. Fifty percent fewer blocks fit in the Data Cache as in database A.

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Answer: C

Question: 92

View the Exhibit.



Given the outline shown in the exhibit, which two members should be tagged as Label Only to achieve database efficiency? (Choose two.)

- A. Year
- B. Profit
- C. Ratios
- D. Measures

Answer: C, D

Question: 93

Which three statements about Essbase Integration Services are true? (Choose three.)

- A. You cannot use flat files as a source.
- B. You can create database partitions in the metaoutline definition.
- C. Members that do not exist in the source can be manually defined.
- D. Dimensions defined can be shared across multiple Essbase cubes.
- E. Essbase cubes can be created and maintained based on a relational data source.

Answer: C, D, E

Question: 94

Essbase Analytic Services uses tablespace to optimize data storage and to optimize retrieval for data files and work files. With each application directory, Analytic Services sets up four directories for tablespace. Which three directories contain the tablespace for an aggregate storage database? (Choose three.)

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- A. log
- B. trigger
- C. default
- D. common
- E. metadata

Answer: A, C, E

Question: 95

What does the Data Cache contain?

- A. compressed data blocks
- B. uncompressed data blocks
- C. the addresses of data blocks on the disk
- D. a record of recently accessed data blocks

Answer: B

Question: 96

What does aggregate storage partitioning support?

- A. outline synchronization
- B. block storage as the source
- C. aggregate storage as the source
- D. transparent partition as the target.

Answer: C

Question: 97

What occurs upon the MaxL execution of alter application <Name> disable connects?

- A. All server connections are disabled.
- B. All connections to a specific database are disabled.
- C. Any user currently on a specific database is disconnected.
- D. Any user with a permission lower than Application Designer is prevented from making connections to the databases.

Answer: D

Question: 98

You are using the CALC DIM command to calculate a sparse dimension.

Which SET CLEARUPDATESTATUS setting ensures that all blocks are tagged clean?

- A. ON
- B. OFF
- C. ONLY
- D. AFTER

Answer: D

Question: 99

Which statement about shared members is true?

- A. Shared members increase data storage.

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- B. You can assign UDAs to shared members.
- C. You can assign formulas to shared members.
- D. Shared members must be in the same dimension.

Answer: D

Question: 100

Year, Measures, and Scenario are Dense dimensions and Product and Market are Sparse. Which two formulas create only one block? (Choose two.)

- A. Jan->"New York" = 100;
- B. Cola->"New York" = 100;
- C. Jan->Sales->Actual = 100;
- D. Jan->Sales->Actual->Cola->"New York" = 100;

Answer: B, D

Question: 101

When should you select User-Defined Attribute (UDA) functionality, as opposed to Attribute dimension functionality? (Choose two.)

- A. when providing crosstab reports
- B. when providing filtering on Dense dimensions
- C. when utilizing Attribute Calculations dimensions
- D. when applying attributes to multiple dimensions

Answer: B, D

Question: 102

You need to calculate for the member Commission in an aggregate storage database. The logic requirements are:

If it is a level 0 Transaction and Net Sales is greater than 1000, then Commission is 5%. If it is a level 0 Transaction and Net Sales is greater than 500 and less than 1000, then Commission is 2.5%. Otherwise no Commission is paid.

Based on this requirement, which two statements are true? (Choose two.)

- A. This can be calculated using an IF statement
- B. This can be calculated using a FIX statement.
- C. This can be calculated using an IIF statement.
- D. This can be calculated using a CASE statement.

Answer: C, D

Question: 103

Which three statements about Substitution Variables are true? (Choose three.)

- A. They are stored in the database page file.
- B. They can be set as global server settings.
- C. They are available for queries in a spreadsheet.
- D. They can be set specifically for each application or database.

Answer: B, C, D

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Question: 104

Which two calculation scripts are valid? (Choose two.)

- A. DATACOPY Forecast TO MAR;
- B. DATACOPY @Desc(QTR1) TO @Desc(QTR2);
- C. DATACOPY "New York" TO "New Hampshire";
- D. DATACOPY "New York"->JAN TO "New Hampshire"->FEB;

Answer: C, D

Question: 105

Time is a Dense dimension and QTR1, QTR2 and QTR3 are stored members.

How many passes through the database result from the following calculation script?

(QTR1;
QTR2;
QTR3;

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

Answer: B

Question: 106

In an aggregate storage database, which two statements are true about database aggregations? (Choose two.)

- A. Creating aggregate views is optional.
- B. You can specify which upper level views to materialize.
- C. Aggregation scripts can be saved and run at a later time.
- D. Incrementally loading data requires a new database aggregation to be run.

Answer: A, C

Question: 107

Partitioning along a Dense dimension versus a Sparse dimension can greatly slow performance for which two partition methods? (Choose two.)

- A. Linked
- B. Shared
- C. Replicated
- D. Transparent

Answer: C, D

Question: 108

Which partition method is likely to have old level 0 data?

- A. Linked
- B. Joined
- C. Shared
- D. Replicated

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Answer: D

Question: 109

Which statement is true about an aggregated storage database?

- A. Data can be loaded to pre-aggregated views.
- B. Data can be loaded to non-level zero members.
- C. Data can be loaded to level zero members only.
- D. Data can be loaded to both level zero and non-level zero members.

Answer: C

Question: 110

Which three functions does Essbase default to the use of cell calculation mode on a member formula? (Choose three.)

- A. @SUM
- B. @PRIOR
- C. @PARENTVAL
- D. @CURRMBRRANGE
- E. @ISMBR on a dense member

Answer: B, C, E

Question: 111

Which statement about index value pair compression is true?

- A. Once selected, index value pair applies to all blocks.
- B. Index value pair is the most effective in cubes with large, sparse blocks.
- C. Index value pair is applied in Essbase Administration Services, Database Properties, Storage tab.
- D. Index value pair reviews each block and evaluates the following compression types for highest compression: RLE, bitmap, ZLIB or index value pair.

Answer: B

Question: 112

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Given the outline shown in the exhibit, if Product and Market are the only Sparse dimensions, which file(s) would be restructured if the member Profit were changed from a Dynamic Calc to a Stored member?

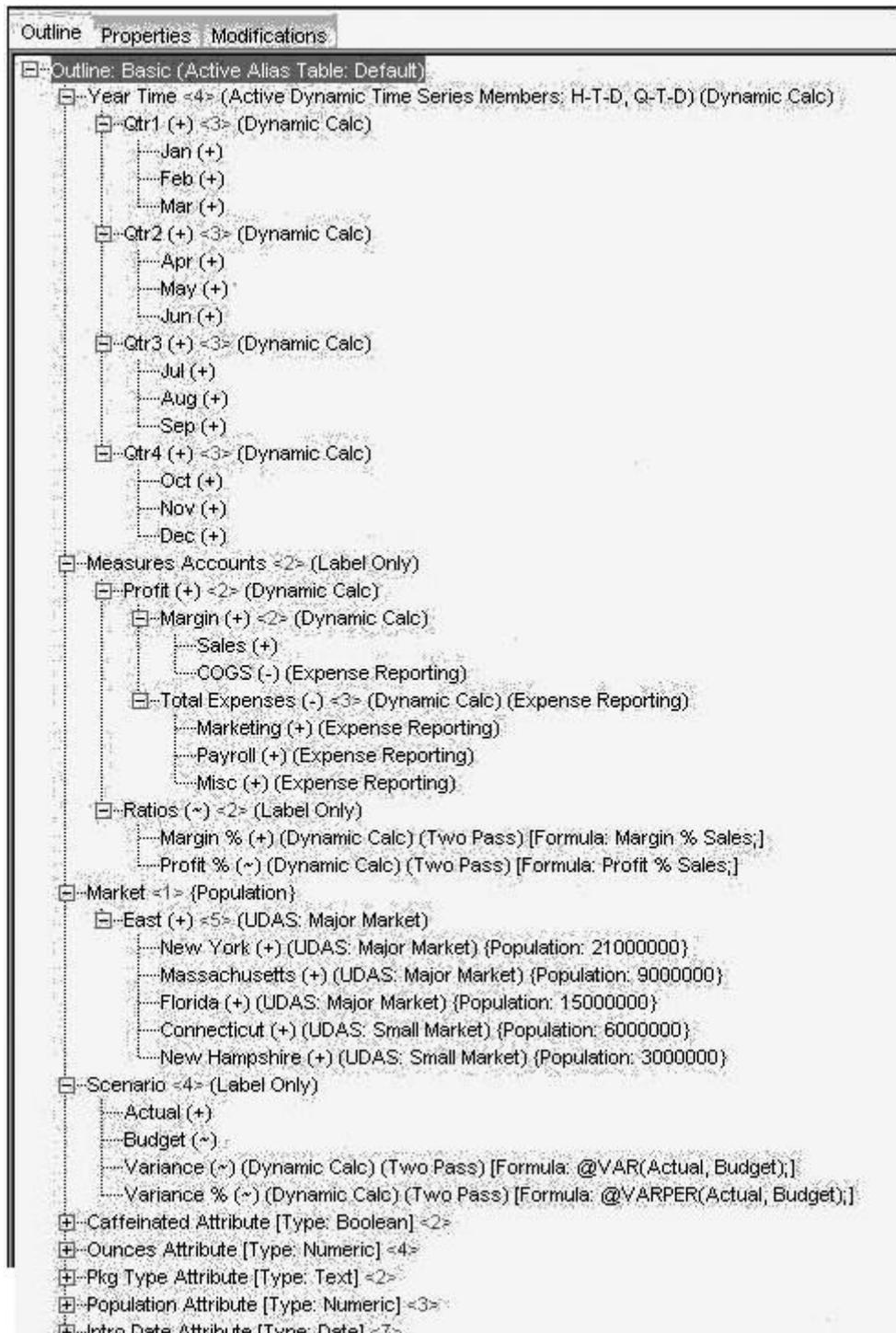
- A. None
- B. Data files only
- C. Index files only
- D. Both index and data files

Answer: D

Question: 113

View the Exhibit.

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In the outline shown in the exhibit, Year is the only Dense dimension.
 What is the block size (in bytes) if a new Dynamic Calc member is added to the Year dimension?

- A. 96
- B. 112
- C. 144

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D. 576

Answer: A

Question: 114

What happens when outline members in a Dense dimension are tagged as Dynamic Calc? (Choose two.)

- A. The database size decreases.
- B. Client data retrieval times decrease.
- C. Database restructure time increases.
- D. Batch calculation time may decrease.

Answer: A, D

Question: 115

A database contains a dense dimension with many consecutive zero values or other consecutive repeating values. Which data compression type is recommended?

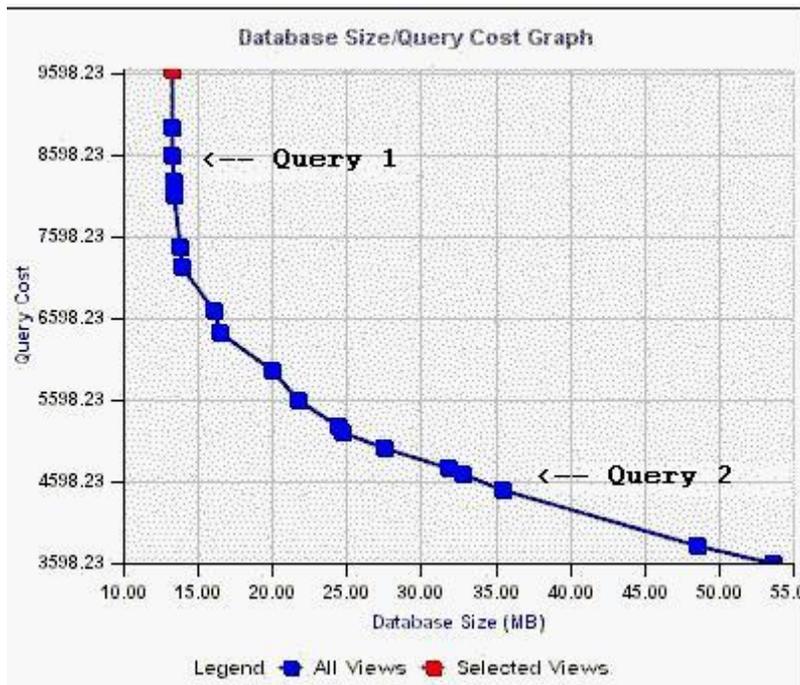
- A. RLE
- B. Bitmap
- C. Index value pair
- D. No compression

Answer: A

Question: 116

View the Exhibit.

Given the database sizes and the query costs shown in the exhibit, which two statements are true? (Choose two.)



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- A. The storage intensive database degrades retrieval performance.
- B. The storage intensive database improves retrieval performance.
- C. The average retrieval time for Query 2 is almost twice as long compared to Query 1.
- D. The average retrieval time for Query 1 is almost twice as long compared to Query 2.

Answer: A, D

Question: 117

You are creating an MDX formula in an aggregate storage database for a variance (e.g. Actual vs. Budget amount), where the calculation recognizes the difference between Expense and Non-Expense type accounts. Which formula will return the correct answer?

- A. [Actual] - [Budget]
- B. Var ([Actual], [Budget])
- C. IIF (IsExpense([Measures].CurrentMember), [Budget] - [Actual], [Actual] - [Budget])
- D. IIF (IsUda([Measures].CurrentMember, "Expense"), [Budget] - [Actual], [Actual] - [Budget])

Answer: D

Question: 118

Which dimension is typically the anchor dimension when optimizing Calculator Cache?

- A. Largest dense
- B. Largest sparse
- C. Smallest dense
- D. Smallest sparse

Answer: B

Question: 119

Which three can be added to a custom view in Essbase Administration Services? (Choose three.)

- A. Server
- B. Outline
- C. Database
- D. Calc script
- E. Application

Answer: A, C, E

Question: 120

For an aggregate storage database, in which two tablespaces can you change the location and size? (Choose two.)

- A. Log
- B. Temp
- C. Default
- D. Metadata

Answer: B, C

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Question: 121

Which statement about the Data Cache is true?

- A. It is a memory buffer that stores compressed data files.
- B. It is a memory buffer that stores uncompressed data blocks.
- C. It is used in conjunction with the System File Cache to hold data files.
- D. It is used during data loading and dimension building to cache the input data file.

Answer: B

Question: 122

Which statement is true about conversion of a block storage database to an aggregate storage database?

- A. Converted outlines are only written to the file system.
- B. During the outline conversion process, shared members are removed from the outline.
- C. Interactive mode conversion lets you alter hierarchy tags and change other member properties.
- D. To facilitate write-back, you can create replicated partitions between block and aggregate storage databases.

Answer: C

Question: 123

Which is the file extension for a data file in an aggregated storage database?

- A. pjz
- B. dat
- C. ess
- D. pag

Answer: B

Question: 124

When a Location Alias is defined, it _____.

- A. defines a substitution variable reference
- B. allows for the use of the @XREF function in a database
- C. indicates where a database's page and index files are stored
- D. allows defining of multiple alias tables to facilitate internationalization

Answer: B

Question: 125

Given the following statistics:

Dimensions	D/S	Actual/Stored	Dimension Type
Measures	Dense	20/20	Accounts
Time	Dense	16/16	Time
Material	Dense	20/20	None
Department	Sparse	35/35	None
Products	Sparse	1000/1000	None

Current Block size : 51,200 bytes

Five members of Measures dimension are changed to be Dynamic Calc and a Dynamic Time Series for

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YTD is added.

What is the new block size?

- A. 36,000
- B. 38,400
- C. 48,000
- D. 51,200

Answer: B

Question: 126

The Essbase.cfg setting DATAFILECACHESIZE can be used to _____.

- A. alter Data File Cache size for existing databases
- B. optimize calculation performance on large, flat dimensions
- C. define the initial Data File Cache size for all newly created databases
- D. manage Data File Cache sizes for specific applications and databases

Answer: C

Question: 127

What are three differences between data load functionality in an aggregate storage database and functionality in a block storage database? (Choose three.)

- A. In an aggregate storage database, there is no automatic update to values.
- B. In an aggregate storage database, non-dynamic calc member cells at all levels can be loaded.
- C. In an aggregate storage database, data values are cleared each time the outline hierarchy is changed.
- D. In an aggregate storage database, only level 0 cells with values that do not depend on formulas are loaded.
- E. In an aggregate storage database, at the end of a data load, if an aggregation exists, values are recalculated.

Answer: C, D, E

Question: 128

Which method is used to back up an aggregate storage database?

- A. FTP
- B. ESSCMD
- C. operating system copy
- D. MaxL alter database

Answer: C

Question: 129

What is the maximum setting for OPGCACHESIZE?

- A. 1,024 KB
- B. 8,192 KB
- C. 500,000 KB
- D. 500,192 KB

Answer: C

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