**DATASTAGE SAMPLE QUESTIONS**

*REFERENCE LINK* **https://www.exam-labs.com/exam/C2090-303#tutorial**

**Question No : 1 - Topic 1**

You are asked by your customer to collect partition level runtime metadata for DataStage  
parallel jobs. You must collect this data after each job completes. What two options allow  
you to automatically save row counts and CPU time for each instance of an operator?  
(Choose two.)

**A.** $APT\_CPU\_ROWCOUNT  
**B.** $APT\_PERFORMANCE\_DATA  
**C.** Enable the job property "Record job performance data".  
**D.** Open up the job in Metadata Workbench and select the "Data Lineage"option.  
**E.** Click the Performance Analysis icon in the toolbar to open the Performance Analyzer utility.

Hide Answer

Answer: **B,C**

**Question No : 2 - Topic 1**

On the DataStage development server, you have been making enhancements to a copy of  
a DataStage job running on the production server. You have been asked to document the  
changes you have made to the job. What tool in DataStage Designer would you use?

**A.** Compare Against  
**B.** diffapicmdline.exe  
**C.** DSMakeJobReport  
**D.** Cross Project Compare

Hide Answer

Answer: **D**

**Question No : 3 - Topic 1**

Which option is required to identify a particular job player processes?Which option is  
required to identify a particularjob? player processes?

**A.** Set $APT\_DUMP\_SCORE to true.  
**B.** Set $APT\_PM\_SHOW\_PIDS to true.  
**C.** Log onto the server and issue the command "ps -ef | grep ds".  
**D.** Use the DataStage Director Job administration screen to display active player processes.

Hide Answer

Answer: **B**

**Question No : 4 - Topic 1**

Which statement describes what happens when Runtime Column Propagation is disabled  
for a parallel job?

**A.** An input column value flows into a target column only if it matches it by name.  
**B.** An input column value flows into a target columnonly if it is explicitly mapped to it.  
**C.** You must set APT\_AUTO\_MAP project environment to true to allow output link mapping to occur.  
**D.** An input column value flows into a target column based on its position in the input row. For example, first column in the input row goes into the first target column.

Hide Answer

Answer: **B**

**Question No : 5 - Topic 1**

Which two statements about the Additional Connections Options property in the Teradata  
Connector stage to specify details about the number of connections to Teradata are true?  
(Choose two.)

**A.** The default for requestedsessions is the minimum number of available sessions.  
**B.** The default for requestedsessions is the maximum number of available sessions.  
**C.** Requestedsessions is a number between 1 and the number of vprocs in the operating system.  
**D.** Sessionsperplayer determines the number of connections each player in the job has to Teradata.  
**E.** Total requested sessions equals sessions per player multiplied by number of nodes multiplied by players per node. The default value is 4.

Hide Answer

Answer: **B,D**

**Question No : 6 - Topic 1**

Which two actions are available when editing a message handler? (Choose two.)

**A.** Abort job  
**B.** Demote to warning  
**C.** Suppress from job log  
**D.** Demote to informational  
**E.** Suppressfrom the project

Hide Answer

Answer: **C,D**

**Question No : 7 - Topic 1**

In your ETL application design you have found several areas of common processing  
requirementsin the mapping specifications. These common logic areas found include: code  
validation lookups and name formatting. The common logic areas have the same logic, but  
the jobs using them would have different column metadata. Choose the action that gives  
you the best reusability design to effectively implement these common logic areas in your  
ETL application?

**A.** Create parallel routines for each of the common logic areas and for each of the unique column metadata formats.  
**B.** Create separate jobs for each layout and choose the appropriate job to run within a job sequencer.  
**C.** Create parallel shared containers and define columns combining all data formats.  
**D.** Create parallel shared containers with Runtime Column Propagation (RCP) ON and define only necessary common columns needed for the logic.

Hide Answer

Answer: **D**

**Question No : 8 - Topic 1**

Which method is used to specify when to stop a job because of too many rejected rowswith  
an ODBC Connector?

**A.** In the Abort when field, select Max  
**B.** In the Abort when field, select Rows  
**C.** In the Abort when field, select Count  
**D.** In the Abort when field, select Amount

Show Answer

**Question No : 9 - Topic 1**

Suppose a user ID has been created with DataStage and QualityStage component  
authorization. Which client application would be used to give that user ID DataStage  
Developer permission?

**A.** DataStage Director client  
**B.** DataStage Designer client  
**C.** DataStage Administrator client  
**D.** Information Server Web Console Administrator client

Hide Answer

Answer: **C**

**Question No : 10 - Topic 1**

Identify the two delimiter areas available to be configured in theSequential File format tab  
properties? (Choose two.)

**A.** File delimiter  
**B.** Null delimiter  
**C.** Final delimiter  
**D.** Field delimiter  
**E.** End of group delimiter

Hide Answer

Answer: **C,D**

**Question No : 11 - Topic 1**

Which step is required to change from a normal lookup to a sparse lookup in an ODBC  
Connector stage?

**A.** Change the partitioning to hash.  
**B.** Sort the data on the reference link.  
**C.** Change thelookup option in the stage properties to "Sparse".  
**D.** Replace columns at the beginning of a SELECT statement with a wildcard asterisk (\*).

Hide Answer

Answer: **C**

**Question No : 12 - Topic 1**

What are the two Transfer Protocol TransferMode property options for the FTP Enterprise  
stage? (Choose two.)

**A.** FTP  
**B.** EFTP  
**C.** TFTP  
**D.** SFTP  
**E.** RFTP

Hide Answer

Answer: **A,D**

**Question No : 13 - Topic 1**

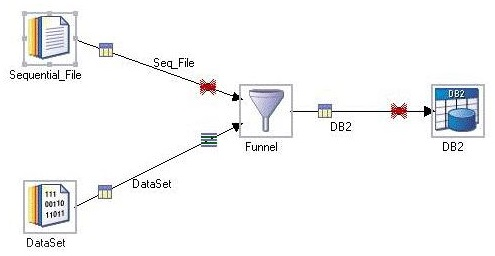
In the Slowly Changing Dimension stage, a dimension columns Purpose code property can  
trigger which two actions. (Choose two.)

**A.** Update fact table keys.  
**B.** Detect dimension changes.  
**C.** Update the dimension table.  
**D.** Insert rows into the fact table.  
**E.** Delete duplicate dimension table rows.

Hide Answer

Answer: **B,C**

**Question No : 14 - Topic 1**

In the exhibit, a Funnel stage has two input links. Input 1 (Seq\_File) comes from a  
Sequential File stage with "Readers per Node" set to "2". Input 2 (Dataset) comes from a  
dataset created with 3 partitions. In the Funnel stage, the funnel type is set to "Sequence".  
  
The parallel configuration file contains 4 nodes.How many instances of the Funnel stage  
run in parallel?

**A.** 1  
**B.** 2  
**C.** 4  
**D.** 6

Hide Answer

Answer: **C**

**Question No : 15 - Topic 1**

A 100MB input dataset has even distribution across400 unique key values. When you run  
with a 4-node configuration file, which two changes could improve sort performance in this  
scenario? (Choose two.)

**A.** Convert all numeric fields to varchars.  
**B.** Set $APT\_TSORT\_STRESS\_BLOCKSIZE to 50MB.  
**C.** Alter the Sortstage properties to perform a stable sort.  
**D.** Specify Round Robin partitioning on the input link to the Sort stage.  
**E.** Specify "Restrict Memory Usage" to 60MB on the Sort stage properties.

Hide Answer

Answer: **B,E**

**Question No : 16 - Topic 1**

When using the Column Export stage, what are two export column type property values  
allowed for the combined single output column result? (Choose two.)

**A.** Vector  
**B.** Binary  
**C.** Integer  
**D.** Decimal  
**E.** VarChar

Hide Answer

Answer: **B,E**

**Question No : 17 - Topic 1**

Which two pieces of information arerequired to be specified for the input link on a Netezza  
Connector stage? (Choose two.)

**A.** Partitioning  
**B.** Server name  
**C.** Table definitions  
**D.** Buffering settings  
**E.** Error log directory

Hide Answer

Answer: **A,D**

**Question No : 18 - Topic 1**

Which two statements are true about Data Sets? (Choose two.)

**A.** Data sets contain ASCII data.  
**B.** Data Sets preserve partitioning.  
**C.** DataSets require repartitioning.  
**D.** Data Sets represent persistent data.  
**E.** Data Sets require import/export conversions.

Hide Answer

Answer: **B,D**

**Question No : 19 - Topic 1**

When using Runtime Column Propagation, which two stages require a schema file?  
(Choose two.)

**A.** Peek stage  
**B.** Pivot stage  
**C.** Column Import stage  
**D.** DB2 Connector stage  
**E.** Sequential File stage

Hide Answer

Answer: **C,E**

**Question No : 20 - Topic 1**

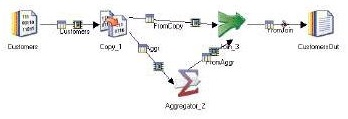
What stage allows for more than one reject link?

**A.** Join stage  
**B.** Merge stage  
**C.** Lookup stage  
**D.** Funnel stage

Hide Answer

Answer: **B**

**Question No : 21 - Topic 1**

You are asked to optimizethe fork join job design in the exhibit. This job uses the sort  
aggregator and a left outer join on the ZIP code column. Currently all partitioning is set to  
"Auto" and automatic sort insertion is allowed.  
  
Which change will reduce the cost of partitioning that occurs in this job?

**A.** Use Entire partitioning on the input links to the Aggregator and Join stages.  
**B.** Hash partition and sort on ZIP code column on the input links to the Aggregator and Join stages.  
**C.** Hash partition and sort on ZIP code column prior to the Copy stage and use entire partitioning on the Aggregator and Join stages.  
**D.** Hash partition and sort on ZIP code column prior to the Copy stage, and use same partitioning on the Aggregator and Join stages.

Hide Answer

Answer: **D**

**Question No : 22 - Topic 1**

Configuring the weighting column of an Aggregator stage affects which two options.  
(Choose two.)

**A.** Sum  
**B.** Maximum Value  
**C.** Average of Weights  
**D.** Coefficient of Variation  
**E.** Uncorrected Sum of Squares

Hide Answer

Answer: **A,E**

**Question No : 23 - Topic 1**

A job design consists of an input Row Generator stage, a Sort stage, followed by a  
Transformer stage and an output Data Set stage. The job is run on an SMP machine with a  
configuration file defined with fournodes. The $APT\_DISABLE\_COMBINATION variable is  
set to True. How many player processes will this job generate?

**A.** 7  
**B.** 16  
**C.** 13  
**D.** 16

Hide Answer

Answer: **C**

**Question No : 24 - Topic 1**

You want to find out which table definitions have been loaded into a job, and specifically  
which stages of the job they has been loaded into? How will you determine this?

**A.** Select the job, right-click, then click the Find where used (deep) command.  
**B.** Select the job,right-click, then click the Find dependencies (deep) command.  
**C.** Select the job, right-click, then click the Find where used command. Then right-click and select "Show the dependency path from the job".  
**D.** Select the job, right-click, then click the Finddependencies command. Then right-click and select "Show the dependency path from the job".

Hide Answer

Answer: **D**

**Question No : 25 - Topic 1**

When using a Sequential File stage as a source what are the two rejectmode property  
options? (Choose two.)

**A.** Set  
**B.** Fail  
**C.** Save  
**D.** Convert  
**E.** Continue

Hide Answer

Answer: **B,E**

**Question No : 26 - Topic 1**

In a Transformer, which two mappings can be handled by default type conversions.  
(Choose two.)

**A.** Integer input columnmapped to raw output column.  
**B.** Date input column mapped to a string output column.  
**C.** String input column mapped to a date output column.  
**D.** String input column mapped to integer output column.  
**E.** Integer input column mapped to string output column.

Hide Answer

Answer: **D,E**

**Question No : 27 - Topic 1**

Which twodata repositories can be used for user authentication within the Information  
Server Suite? (Choose two.)

**A.** IIS Web Console  
**B.** IBM Metadata repository  
**C.** Standalone LDAP registry  
**D.** Operations Console database  
**E.** IBM Information Server user directory

Hide Answer

Answer: **C,E**

**Question No : 28 - Topic 1**

How must the input data set be organized for input into the Join stage? (Choose two.)

**A.** Unsorted  
**B.** Key partitioned  
**C.** Hash partitioned  
**D.** Entire partitioned  
**E.** Sorted by Join key

Hide Answer

Answer: **B,E**

**Question No : 29 - Topic 1**

The parallelframework was extended for real-time applications. Identify two of these  
aspects. (Choose two.)

**A.** XML stage.  
**B.** End-of-wave.  
**C.** Real-time stage types that re-run jobs.  
**D.** Real-time stage types that keep jobs always up and running.  
**E.** Support fortransactions within source database connector stages.

Hide Answer

Answer: **B,D**

**Question No : 30 - Topic 1**

Which two environment variables add additionalreporting information in the job log for  
DataStage jobs? (Choose two.)

**A.** $APT\_IO\_MAP  
**B.** $OSH\_EXPLAIN  
**C.** $APT\_STARTUP\_STATUS  
**D.** $APT\_EXPORT\_FLUSH\_COUNT  
**E.** $APT\_PM\_STARTUP\_CONCURRENCY

Hide Answer

Answer: **B,C**

**Question No : 31 - Topic 1**

You are workingon a project that contains a large number of jobs contained in many  
folders. You would like to review the jobs created by a former developer of the project. How  
can you find these jobs?

**A.** Sort the jobs by date in the Repository window.  
**B.** Use AdvancedFind feature in the Designer interface.  
**C.** Select the top project folder and choose Find Dependencies (deep).  
**D.** Right-click on jobs folder in the Repository window and select Filter jobs.

Hide Answer

Answer: **B**

**Question No : 32 - Topic 1**

What is the purpose of the APT\_DUMP\_SCORE environment variable?

**A.** There is no such environment variable.  
**B.** It is an environment variable that turns on the job monitor.  
**C.** It is an environment variable that enables the collection of runtime performancestatistics.  
**D.** It is a reporting environment variable that adds additional runtime information in the job log.

Hide Answer

Answer: **D**

**Question No : 33 - Topic 1**

The data going into the target Sequential Files stage is range-partitioned and sorted.  
Whichtechnique method would be the most efficient to create a globally sorted target  
sequential file?

**A.** Select an in-stage sort in the final Sequential File stage.  
**B.** Select the Ordered collector method for the final Sequential File stage.  
**C.** Select the Sort Merge collector method for the final Sequential File stage.  
**D.** Insert a Funnel stage before the final Sequential File stage and select Sequence as Funnel Type.

Hide Answer

Answer: **B**

**Question No : 34 - Topic 1**

Which two statements are true about the use of named node pools? (Choose two.)

**A.** Grid environments must have named node pools for data processing.  
**B.** Named node pools can allow separation of buffering from sorting disks.  
**C.** When named node pools are used, DataStage uses named pipes between stages.  
**D.** Named node pools limit the total number of partitions that can be specified in the configuration file.  
**E.** Named node pools constraints will limit stages to be executed only on thenodes defined in the node pools.

Hide Answer

Answer: **B,E**

**Question No : 35 - Topic 1**

A job validates account numbers with areference file using a Join stage, which is hash  
partitioned by account number. Runtime monitoring reveals that some partitions process  
many more rows than others. Assuming adequate hardware resources, which action can  
be used to improve the performance ofthe job?

**A.** Replace the Join with a Merge stage.  
**B.** Change the number of nodes in the configuration file.  
**C.** Add a Sort stage in front of the Join stage. Sort by account number.  
**D.** Use Round Robin partitioning on the stream and Entire partitioning on the reference.

Hide Answer

Answer: **B**

**Question No : 36 - Topic 1**

What is the correct method to process a file containing multiple record types using a  
Complex Flat Filestage?

**A.** Flatten the record types into a single record type.  
**B.** Manually break the file into multiple files by record type.  
**C.** Define record definitions on the Constraints tab of the Complex Flat File stage.  
**D.** Load a table definition for each record type on the Records tab of the Complex Flat File stage.

Hide Answer

Answer: **D**

**Question No : 37 - Topic 1**

Your customer is using Source Code Control Integration for Information server and have  
tagged artifacts for version 1. You must create a deployment package from the version 1.  
Before you create the package you will have to ensure the project is up to date with version  
1. What two things mustyou do to update the meta-data repository with the artifacts tagged  
as version 1? (Choose two.)

**A.** Right-click the asset and click the Deploy command.  
**B.** Right-click the asset and click the Team Import command.  
**C.** Right-click the asset and click Update From Source Control Workspace.  
**D.** Right-click the asset and click Replace From Source Control Workspace.  
**E.** Right-click the asset and click the Team command to update the Source Control Workspace with the asset.

Hide Answer

Answer: **D,E**

**Question No : 38 - Topic 1**

Rows of data going into a Transformer stage are sorted and hash partitioned by the  
Input.Product column. Using stage variables, how can you determine when a new row is  
the first of a new group of Product rows?

**A.** Create a stage variable named sv\_IsNewProduct and follow it by a second stage variable named sv\_Product. Map the Input.Product column to sv\_Product. The derivation for sv\_IsNewProduct is: IF Input.Product = sv\_Product THEN "YES" ELSE "NO".  
**B.** Create a stage variable named sv\_IsNewProduct and follow it by a second stage variable named sv\_Product. Map the Input.Product column to sv\_Product. The derivation for sv\_IsNewProduct is: IF Input.Product &lt;> sv\_Product THEN "YES" ELSE "NO".  
**C.** Create a stage variable named sv\_Product and follow it by a second stage variable named sv\_IsNewProduct. Map the Input.Product column to sv\_Product. The derivation for sv\_IsNewProduct is: IF Input.Product = sv\_Product THEN "YES" ELSE "NO".  
**D.** Createa stage variable named sv\_Product and follow it by a second stage variable namedsv\_IsNewProduct. Map the Input.Product column to sv\_Product. The derivation for sv\_IsNewProduct is: IF Input.Product &lt;> sv\_Product THEN "YES" ELSE "NO".

Hide Answer

Answer: **B**

**Question No : 39 - Topic 1**

Which twostatements are true about stage variables in a Transformer Stage? (Choose  
two.)

**A.** Stage variables can be set to NULL.  
**B.** Stage variables cannot be set to NULL.  
**C.** Varchar stage variables can be initialized with spaces.  
**D.** Stage variables are refreshedwith default values before each new input row is processed.  
**E.** A stage variable in one Transformer can refer to a stage variable in another Transformer, as long as the second Transformer was processed earlier in the job flow.

Hide Answer

Answer: **A,C**

**Question No : 40 - Topic 1**

Which two file stages allow you to configure rejecting data to a reject link? (Choose two.)

**A.** Data Set Stage  
**B.** Compare Stage  
**C.** Big Data File Stage  
**D.** Lookup File Set Stage  
**E.** Complex FlatFile Stage

Hide Answer

Answer: **C,E**

**Question No : 41 - Topic 1**

Which two parallel job stages allow you to use partial schemas? (Choose two.)

**A.** Peek stage  
**B.** File Set stage  
**C.** Data Set stage  
**D.** Column Export stage  
**E.** External Target stage

Hide Answer

Answer: **B,E**

**Question No : 42 - Topic 1**

The Score is divided into which two sections? (Choose two.)

**A.** Stages  
**B.** File sets  
**C.** Schemas  
**D.** Data sets  
**E.** Operators

Hide Answer

Answer: **D,E**

**Question No : 43 - Topic 1**

A job design consists of an input Row Generator stage, a Filter stage, followed by a  
Transformer stage and an output Sequential File stage. The job is run on an SMP machine  
with a configuration filedefined with three nodes. The $APT\_DISABLE\_COMBINATION  
variable is set to True. How many player processes will this job generate?

**A.** 8  
**B.** 10  
**C.** 12  
**D.** 16

Hide Answer

Answer: **A**

**Question No : 44 - Topic 1**

Your job will write its output to a fixed length data file. When configuring the sequential file  
stage as a target whatformat and column tab properties need to be considered for this type  
of file output?

**A.** On the Output Link format tab, change the 'Delimiter' property to whitespace.  
**B.** On the Output Link format tab, add the 'Record Type' property to the tree and set itsvalue to be 'F'.  
**C.** On the Output Link column tab, insure that all the defined column data types are fixed length types.  
**D.** On the Output Link column tab, specify the record size total based on all of the columns defined

Hide Answer

Answer: **C**

**Question No : 45 - Topic 1**

You are asked by management to document all jobs written to make future maintenance  
easier. Which statement is true about annotations?

**A.** The short job description can be identified within the Description Annotation stage.  
**B.** The Description Annotation stage contains both the short and full descriptions for the job.  
**C.** The background for the Description Annotation stage can be changed for each unique stage.  
**D.** The Description Annotation stage can be added several times at different locations to identify business logic.

Hide Answer

Answer: **A**

**Question No : 46 - Topic 1**

What is the result of running the following command: dsjob -report DSProject ProcData

**A.** Generates a report about the ProcData job, including information about its stages and links.  
**B.** Returns a report ofthe last run of the ProcData job in a DataStage project named DSProject.  
**C.** Runs the DataStage job named ProcData and returns performance information, including the number of rows processed.  
**D.** Runs the DataStage job named ProcData and returns job status information, including whether the job aborted or ran without warnings.

Hide Answer

Answer: **B**

**Question No : 47 - Topic 1**

Which derivations are executed first in the Transformer stage?

**A.** Input columnderivations  
**B.** Loop variable derivations  
**C.** Stage variable derivations  
**D.** Output column derivations

Hide Answer

Answer: **C**

**Question No : 48 - Topic 1**

You would like to pass values into parameters that will be used in a variety of downstream  
activity stages within a job sequence. What are two valid ways todo this? (Choose two.)

**A.** Use local parameters.  
**B.** Place a parameter set stage on the job sequence.  
**C.** Add a Transformer stage variable to the job sequence canvas.  
**D.** Check the "Propagate Parameters" checkbox in the Sequence Job properties.  
**E.** Use the UserVariablesActivity stage to populate the local parameters from an outside source such as a file.

Hide Answer

Answer: **A,E**

**Question No : 49 - Topic 1**

Which partitioning method requires a key?

**A.** Same  
**B.** Modulus  
**C.** Sort Merge  
**D.** Round Robin

Hide Answer

Answer: **B**

**Question No : 50 - Topic 1**

The Change Apply stage produces a change Data Set with a new column representing the  
code for the type of change. What are two change values identified by these code values?  
(Choose two.)

**A.** Edit  
**B.** Final  
**C.** Copy  
**D.** Deleted  
**E.** Remove Duplicates

Hide Answer

Answer: **C,D**

**Question No : 51 - Topic 1**

A customer must compare a date column with a job parameter date to determine which  
output links the row belongs on. What stage should be used for this requirement?

**A.** Filter stage  
**B.** Switch stage  
**C.** Compare stage  
**D.** Transformer stage

Hide Answer

Answer: **D**

**Question No : 52 - Topic 1**

You are responsible for deploying objects into your customers production environment. To  
ensure the stability of the production systemthe customer does not permit compilers on  
production machines. They have also protected the project and only development  
machines have the required compiler. What option will enable jobs with a parallel  
transformer to execute in the customers production machines?

**A.** Add $APT\_COMPILE\_OPT=-portable  
**B.** Set $APT\_COPY\_TRANSFORM\_OPERATOR  
**C.** Use protected projects in the production environment.  
**D.** Create a package with Information Server Manager and select the option to include executables.

Hide Answer

Answer: **D**  
Explanation: QUESTIONNO: 22 What two features distinguish the Operations Console from the Director job log? (Choose two.) A. Jobs can be started and stopped in Director, but not in the Operations Console. B. The Operations Console can monitor jobs running on only one DataStage engine. C. Workload management is supported within Director, but not in the Operations Console. D. The Operations Console can monitor jobs running on more than one DataStage engine. E. The Operations Console can run on systems where the DataStage clients are not installed. Answer: D,E

**Question No : 53 - Topic 1**

Identify two different types of custom stages you can create to extend the Parallel job  
syntax? (Choose two.)

**A.** Input stage  
**B.** Basic stage  
**C.** Group stage  
**D.** Custom stage  
**E.** Wrapped stage

Hide Answer

Answer: **D,E**

**Question No : 54 - Topic 1**

How is DataStage table metadata shared among DataStage projects?

**A.** Import another copy of the table metadata into the project where it is required.  
**B.** Use the "Shared Table Creation Wizard" to place the table in the shared repository.  
**C.** Export DataStage table definitions from one project and importing them into another project.  
**D.** Use the InfoSphere Metadata Asset Manager (IMAM) to move the DataStage table definition to the projects where it is needed.

Hide Answer

Answer: **B**

**Question No : 55 - Topic 1**

Which statement is correct about theData Rules stage?

**A.** The Data Rules stage works with rule definitions only; not executable rules.  
**B.** As a best practice, you should create and publish new rules from the Data Rules stage.  
**C.** If you have Rule Creator role in InfoSphere Information Analyzer, you can create and publish rule definitions and rule set definitions directly from the stage itself.  
**D.** When a job that uses the Data Rules stage runs, the output of the stage is passed to the downstream stages and results are stored in the AnalysisResults database (IADB).

Hide Answer

Answer: **A**

**Question No : 56 - Topic 1**

Which statement is true when using the SaveInputRecord() function in a Transformer  
stage.

**A.** You can only use the SaveInputRecord() function in Loop variable derivations.  
**B.** You can access the saved queue records using Vector referencing in Stage variable derivations.  
**C.** You must retrieve all saved queue records using the GetSavedInputRecord() function within Loop variable derivations.  
**D.** You must retrieve all saved queue records using the GetSavedInputRecord() function within Stage variable derivations.

Hide Answer

Answer: **C**

**Question No : 57 - Topic 1**

When optimizing a job, Balanced Optimization will NOT search the job for what pattern?

**A.** Links  
**B.** Stages  
**C.** Sequencers  
**D.** Property Settings

Hide Answer

Answer: **C**

**Question No : 58 - Topic 1**

Identify two items that are created as a result of running a Balanced Optimization on a job  
that accesses a Hadoop distributed file system as a source? (Choose two.)

**A.** A JAQL stage is found in the optimized job result.  
**B.** A Big Data File stage is found in the optimized job results.  
**C.** A Balanced Optimization parameter set is found in the project  
**D.** A Balanced Optimization Shared Container is found in the project.  
**E.** A MapReduce Transformer stage is found in the optimized job result.

Hide Answer

Answer: **A,C**

**Question No : 59 - Topic 1**

Your job sequence must be restartable. It runs Job1, Job2, and Job3 serially. It has been  
compiled with "Add checkpoints so sequence is restartable".Job1 must execute every run  
even after a failure. Which two properties must be selected to ensure that Job1 is run each  
time, even after a failure? (Choose two.)

**A.** Set the Job1 Activity stage to "Do not checkpoint run".  
**B.** Set trigger on the Job1 Activity stage to "Unconditional".  
**C.** In the Job1 Activity stage set the Execution action to "Run".  
**D.** In the Job1 Activity stage set the Execution action to "Reset if required, then run".  
**E.** Use the Nested Condition Activity with a trigger leading to Job1; setthe trigger expression type to "Unconditional".

Hide Answer

Answer: **A,D**

**Question No : 60 - Topic 1**

Which requirement must be met to read from a database in parallel using the ODBC  
connector?

**A.** ODBC connector always reads in parallel.  
**B.** Set the Enable partitioning property to Yes.  
**C.** Configure environment variable $APT\_PARTITION\_COUNT.  
**D.** Configure environment variable$APT\_MAX\_TRANSPORT\_BLOCK\_SIZE.

Hide Answer

Answer: **B**

**Question No : 61 - Topic 1**

Identify the two statements that are true about the functionality of the XML Pack 3.0.  
(Choose two.)

**A.** XML Stages are Plug-in stages.  
**B.** XML Stage can be found in the Database folder on the palette.  
**C.** Uses a unique custom GUI interface called the AssemblyEditor.  
**D.** It includes the XML Input, XML Output, and XML Transformer stages.  
**E.** A single XML Stage, which can be used as a source, target, or transformation.

Hide Answer

Answer: **C,E**

**Question No : 62 - Topic 1**

In addition to the table and schema names, whattwo element names must be specified  
when you create a shared table definition in DataStage Designer? (Choose two.)

**A.** Database  
**B.** Host system  
**C.** Project name  
**D.** Database instance  
**E.** DataStage server system name

Hide Answer

Answer: **A,B**

**Question No : 63 - Topic 1**

What two binding types are supported by Information Services Director (ISD) for a parallel  
job that is designed to be used as a service? (Choose two.)

**A.** EJB  
**B.** SQL  
**C.** HDFS  
**D.** SOAP  
**E.** STREAMS

Hide Answer

Answer: **A,D**

**Question No : 64 - Topic 1**

You are assigned to correct a job from another developer. The job contains 20 stages  
sourcing data from two Data Sets and many sequential files. The annotation in the job  
indicates whowrote the job and when, not the objective of the job. All link and stage names  
use the default names. One of the output columns has an incorrect value which should  
have been obtained using a lookup. What could the original developer have done to make  
thistask easier for maintenance purposes?

**A.** Name all stage and links the same.  
**B.** Name all stages and links based on what they do.  
**C.** Indicate all stage names within the job annotation.  
**D.** Name all stage and links with column names and ideas.

Hide Answer

Answer: **B**

**Question No : 65 - Topic 1**

Which job design technique can be used to give unique names to sequential output files  
that are used in multi-instance jobs?

**A.** Use parameters to identify file names.  
**B.** Generate unique file namesby using a macro.  
**C.** Use DSJoblnvocationID to generate a unique filename.  
**D.** Use a Transformer stage variable to generate the name.

Hide Answer

Answer: **A**

**Question No : 66 - Topic 1**

You have a parallel job that based on operational recoverability requirements needs to be  
broken up into two separate parallel jobs. You have decided to use the Data Set stage to  
support this job design change. What two characteristics of Data Sets make them a good  
design consideration in your jobs design change? (Choose two.)  
A. They sort the data in a staging area.  
B. They automatically convert data types.  
C. They persist the parallelism of the job creating them.  
D. They use the same data types as the parallelframework.  
E. They persist parallelism into a temporary repository table.

Hide Answer

Answer: **C,D Topic 2, Volume B**

**Question No : 67 - Topic 2**

You want to better understand the tsort operators that are inserted into the job flow at  
runtime. Which environment variable can provide this information?

**A.** $OSH\_DUMP  
**B.** $APT\_DUMP\_SCORE  
**C.** $APT\_STARTUP\_STATUS  
**D.** $APT\_PM\_PLAYER\_MEMORY

Hide Answer

Answer: **B**

**Question No : 68 - Topic 2**

The derivation for a stage variable is: Upcase(input\_column1) : ' ' : Upcase(input\_column2).  
Suppose that input\_column1 contains a NULL value. Assume the legacy NULL processing  
option is turned off. Which behavior is expected?

**A.** The job aborts.  
**B.** NULL is written to the target stage variable.  
**C.** The input row is either dropped or rejected depending on whether the Transformer has a reject link.  
**D.** The target stage variable is populated with spaces or zeros depending on the stage variable data type.

Hide Answer

Answer: **B**

**Question No : 69 - Topic 2**

You are using the Change Capture stage in your job design to identify changes made to  
the input link (before image) to obtain the results in the output link. This job will be using a  
multi-node configuration file when executed. What aretwo requirements on the input link  
data for the Change Capture stage? (Choose two.)

**A.** sorted  
**B.** merged links  
**C.** parallel mode  
**D.** key partitioned  
**E.** sequential mode

Hide Answer

Answer: **A,D**

**Question No : 70 - Topic 2**

Modular development techniques should be used to maximize re-use of DataStage jobs  
and components. Which statement represents Modular Development techniques?

**A.** Job parameters should be used in JobNames.  
**B.** Hard code the Invocation ID to improve development process.  
**C.** Create a standard directory structure inside of the DataStage project directory for source and target files.  
**D.** Job parameterization allows a single job design to process similar logic instead of creating multiple copies of the same job.

Hide Answer

Answer: **D**

**Question No : 71 - Topic 2**

Which two statements about using aLoad write method in an Oracle Connector stage to  
tables that have indexes on them are true? (Choose two.)

**A.** Set the Upsert mode property to "Index".  
**B.** Set the Index mode property to "Bypass".  
**C.** The Load Write method uses the Parallel Direct Path loadmethod.  
**D.** The Load Write method uses "Rebuild" mode with no logging automatically.  
**E.** Set the environment variable APT\_ORACLE\_LOAD\_OPTIONS to "OPTIONS (DIRECT=TRUE, PARALLEL=FALSE)".

Hide Answer

Answer: **C,E**

**Question No : 72 - Topic 2**

Which Oracle data type conversion is correct?

**A.** Oracle data type RAW converts to RAW in Oracle Connector stage.  
**B.** Oracle data type NUMBER(6,0) converts to INT32 in Oracle Connector stage.  
**C.** Oracle data type NUMBER(15,0) converts to INT32 in Oracle Connector stage.  
**D.** Oracle data type NUMBER converts to DECIMAL(38,0) in Oracle Connector stage.

Hide Answer

Answer: **B**

**Question No : 73 - Topic 2**

What two computer system resources on the DataStage engine are monitored in the  
Operations Console? (Choose two.)

**A.** Disk  
**B.** CPU  
**C.** Memory  
**D.** Scratch disk  
**E.** XMETA database

Hide Answer

Answer: **B,C**

**Question No : 74 - Topic 2**

Which two commands start a DataStage job named procRows in a project named  
DSProject. It also passes the value 200 to the numRows parameter. (Choose two.)

**A.** dsjob -run -paramfile numRows=200 DSProject procRows  
**B.** dsjob-run -mode normal -param numRows=200 DSProject procRows  
**C.** dsjob -run -mode validate -param numRows=200 DSProject procRows  
**D.** dsjob -run -mode normal -paramfile numRows=200 DSProject procRows  
**E.** dsjob -run -queue HighPriority -param numRows=200 DSProjectprocRows

Hide Answer

Answer: **B,E**

**Question No : 75 - Topic 2**

What is used to configure the DataStage QualityStage Operations Console?

**A.** DataStage Administrator  
**B.** The DSODBCConfig.cfg file  
**C.** The DSAppWatcher.sh script  
**D.** Information Server Web Console

Hide Answer

Answer: **B**

**Question No : 76 - Topic 2**

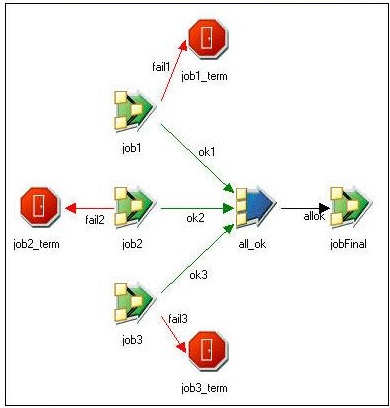
You are experiencing performance issues for a given job. You are assigned the task of  
understanding what is happening at run time for that job. What step should you take to  
understand the job performance issues?

**A.** Replace Join stages by Lookup stages.  
**B.** Run the job with $APT\_TRACE\_RUN set to true.  
**C.** Run the job with $APT\_DUMP\_SCORE set to true.  
**D.** Replace Transformer stages with custom operators.

Hide Answer

Answer: **C**

**Question No : 77 - Topic 2**

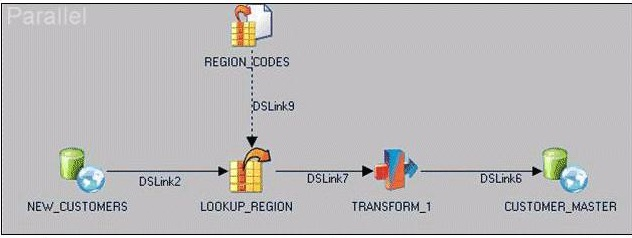
Click on the Exhibit button.  
  
Provided you have enough system resources, what is the maximum number of jobs that  
could be running concurrently in this image?

**A.** 2  
**B.** 3  
**C.** 4  
**D.** 5

Hide Answer

Answer: **B**

**Question No : 78 - Topic 2**

Click the Exhibit button.  
  
The job in theexhibit runs to successful completion with no warnings. However, a validation  
test identifies that the CUSTOMER\_MASTER table is empty. You suspect the cause to be  
related to the NEW\_CUSTOMERS table or a defect in the job. Examining runtime  
metadata mayhelp you track down the problem. Which two product features will help you  
isolate the cause of the problem? (Choose two.)

**A.** Director job monitor tool.  
**B.** Designer Performance Analyzer tool.  
**C.** Designer "Show performance statistics" option.  
**D.** The view data button in the target Connector stage.  
**E.** InfoSphere Metadata Asset Manager (IMAM) operational metadata reports.

Hide Answer

Answer: **A,C**

**Question No : 79 - Topic 2**

Which Oracle Connector stage property canbe set to tune job performance?

**A.** Array size  
**B.** Memory size  
**C.** Partition size  
**D.** Transaction size

Hide Answer

Answer: **A**

**Question No : 80 - Topic 2**

Which statement is true about Information Server logging?

**A.** Multiple configurations can be active at the same time.  
**B.** Severity levels specify the threshold for saving events in the metadata repository.  
**C.** You can activate or de-activate the logging configuration in DataStage Administrator.  
**D.** You must log into the Information Server Web Console as a DataStage administrator in order to configure logging.

Hide Answer

Answer: **B**

**Question No : 81 - Topic 2**

You have created three parallel jobs (Job A, B and C) in which the output of one job is the  
input to the other job. You are required to create processing that manages this data  
relationship of the jobs and provide job level restart-ability. What two tasks will accomplish  
these objectives? (Choose two.)

**A.** Enable runtime column propagation for the job sequence running the jobs.  
**B.** Set the 'Add checkpoints so sequence is restartable' option in the Sequencer job.  
**C.** Enable the 'Add checkpoints so container is restartable' option for each of the parallel shared containers.  
**D.** Create two parallel shared containers that has the logic of Job B and Job C and include those shared containers in the correct flow order within the design of Job A.  
**E.** Create a Sequencer job that has triggered events configured allowing Job A to run first, then Job B to run when A completes successfully, and then Job C to run when Job Bcompletes successfully.

Hide Answer

Answer: **B,E**

**Question No : 82 - Topic 2**

A job using a three-node configuration file writes to a target Sequential File stage. The  
targetSequential File stage has been set to write to two different sequential files. How many  
instances of the Sequential File stage will run?

**A.** One instance.  
**B.** Two instances.  
**C.** Three instances.  
**D.** Four instances.

Hide Answer

Answer: **B**

**Question No : 83 - Topic 2**

Identify two restructure stages that allow you to create or organize vectors in the output link  
results? (Choose two.)

**A.** Split Vector  
**B.** Column Import  
**C.** Merge records  
**D.** Split Subrecord  
**E.** Make Subrecord

Hide Answer

Answer: **D,E**

**Question No : 84 - Topic 2**

Which statement is true about creating DataStage projects?

**A.** DataStageprojects cannot be created during DataStage installation.  
**B.** After installation only DataStage developers can create DataStage projects.  
**C.** After installation DataStage projects can be created in DataStage Administrator.  
**D.** After installation DataStage projects can be created in the Information Server Web Console.

Hide Answer

Answer: **C**

**Question No : 85 - Topic 2**

How does the Complex Flat File stage (CFF) support the use of OCCURS clauses within  
COBOL files?

**A.** Each element of the OCCURS clause is treated as a subrecord.  
**B.** The CFF stage cannot process COBOL files with OCCURS clauses.  
**C.** Each element of the OCCURS clause is treated as a column of raw data.  
**D.** Each element of the OCCURS clause is treated as a separate element in an array.

Hide Answer

Answer: **D**

**Question No : 86 - Topic 2**

When using the loopfunctionality in a transformer, which statement is true regarding  
Transformer processing.

**A.** Stage variables can be referenced in loop conditions.  
**B.** Stage variables can be executed after loop variable expressions.  
**C.** Loop variable expressions are executed before input link column expressions.  
**D.** Output links can be excluded from being associated with a True loop condition.

Hide Answer

Answer: **A**

**Question No : 87 - Topic 2**

A job design reads from a complex flat file, performs some transformations on the data,  
and outputs the results to a ISD output stage. How can the parameter values can be  
passed to this job at run-time?

**A.** Include the parameter values in the data.  
**B.** Change the properties of the information provider.  
**C.** Pass the parameter values at the time of the service request.  
**D.** Execute a DSSetParam with the values at job execution time.

Hide Answer

Answer: **C**

**Question No : 88 - Topic 2**

Which stage classifies data rows from a single input into groups and computes totals?

**A.** Modify stage  
**B.** Compare stage  
**C.** Aggregator stage  
**D.** Transformer stage

Hide Answer

Answer: **C**

**Question No : 89 - Topic 2**

What aretwo advantages of using Runtime Column Propagation (RCP)? (Choose two.)

**A.** RCP forces a developer to define all columns explicitly.  
**B.** Only columns used in the data flow need to be defined.  
**C.** Sequential files don't require schema files when using RCP.  
**D.** Only columns that are defined as VarChar need RCP enabled.  
**E.** Columns not specifically used in the flow are propagated as if they were.

Hide Answer

Answer: **B,E**

**Question No : 90 - Topic 2**

Which DB2 to InfoSphere DataStage data type conversion is correct when reading data  
with the DB2 Connector stage?

**A.** XML to SQL\_WVARCHAR  
**B.** BIGINT to SQL\_BIGINT (INT32)  
**C.** VARCHAR, 32768 to SQL\_VARCHAR  
**D.** CHAR FOR BIT DATA to SQL\_VARBINARY

Hide Answer

Answer: **A**

**Question No : 91 - Topic 2**

What two binding types are supported by Information Services Director (ISD) for a parallel  
job that is designed to be used as a service? (Choose two.)

**A.** EJB  
**B.** SQL  
**C.** HDFS  
**D.** SOAP  
**E.** STREAMS

Hide Answer

Answer: **A,D**

**Question No : 92 - Topic 2**

Whatare the valid join operations for the Join stage? (Choose two.)

**A.** Inner join  
**B.** Where join  
**C.** Top outer join  
**D.** Right outer join  
**E.** Bottom inner join

Hide Answer

Answer: **A,D**

**Question No : 93 - Topic 2**

Your job is using the Sequential File stage as a source. Identify two stage property  
configurations that will allow you to accomplish parallel reads? (Choosetwo.)

**A.** Read Method property set to 'File Pattern' and the environment variable $APT\_IMPORT\_PATTERN\_USES\_FILESET is set to 'FALSE'.  
**B.** Read Method property set to 'File Pattern' and the 'Readers per Node' property value set to greater than 1.  
**C.** Read Method property is set to 'Parallel' with the Key property set to a Input column that has the file names.  
**D.** Read Method property set to 'Specific File(s)' with only one file specified and the 'Readers Per Node' property value set to greater than 1.  
**E.** Read Method property set to 'Specific File(s)' with more than one file specified and each file specified has the same format/column properties.

Hide Answer

Answer: **D,E**

**Question No : 94 - Topic 2**

The number of File Set data files created depends upon what two items? (Choose two.)

**A.** Amount of memory.  
**B.** Schema definition of the file.  
**C.** Operating system limitations.  
**D.** Number of logical processing nodes.  
**E.** Number of disks in the export ordefault disk pool connected to each processing node in the default node pool.

Hide Answer

Answer: **D,E**

**Question No : 95 - Topic 2**

You would like to run a particular processing job within a job sequence for each weekday.  
What two methods could be used? (Choose two.)

**A.** Set the frequency property in the job scheduler to weekdays only.  
**B.** Add thejob scheduler stage to the job sequence and set to weekdays only.  
**C.** Call a routine in the job sequencer that starts the processing job for each day you would like to process.  
**D.** Have a parameter set that contains the days of the week you would like to process and routine to parse the days of the week contained in the "day" parameter.  
**E.** Start Loop and End Loop activity stages on the job sequencer canvas where you loop through the days and pass a value for each day into the job via parameter.

Hide Answer

Answer: **C,E**

**Question No : 96 - Topic 2**

The ODBC stage can handle which two SQL Server data types? (Choose two.)

**A.** Date  
**B.** Time  
**C.** GUID  
**D.** Datetime  
**E.** SmallDateTime

Hide Answer

Answer: **C,E**

**Question No : 97 - Topic 2**

What role must a user have to delete shared metadata assets from the repository?

**A.** DataStage Administrator  
**B.** Business Glossary Administrator  
**C.** Common Metadata Administrator  
**D.** Information Analyzer Administrator

Hide Answer

Answer: **C**

**Question No : 98 - Topic 2**

Identify two areas that DataStage can integrate with a Hadoop environment. (Choose two.)

**A.** Use the Pig Activity stage in a sequencer to invoke a Pig MapReduce program.  
**B.** Use the HiveActivity stage in a sequences to invoke a Hive MapReduce program.  
**C.** Use the Big Data File stage to access files on the Hadoop Distributed File System.  
**D.** Use the Oozie Workflow Activity stage in a sequencer job to invoke Oozie work flows.  
**E.** Use the MapReduce Transformer stage to convert Hadoop Distributed File System data.

Hide Answer

Answer: **C,D**

**Question No : 99 - Topic 2**

A job design consists of an input Sequential Files stage, a Sort stage,followed by a  
Transformer stage and an output Sequential File stage. In the input Sequential Files stage,  
the "Number of readers per node" property has been set to 3. The job is run on an SMP  
machine with a configuration file defined with 3 nodes. The  
$APT\_DISABLE\_COMBINATION variable is set to True. How many player processes will  
this job generate?

**A.** 6  
**B.** 8  
**C.** 10  
**D.** 12

Hide Answer

Answer: **B**

**Question No : 100 - Topic 2**

What two project environment variables can be considered in your parallel jobs to support  
your optimization strategy of partitioning and sorting? (Choose two.)

**A.** $APT\_NO\_PART\_INSERTION  
**B.** $APT\_OPT\_SORT\_INSERTION  
**C.** $APT\_RESTRICT\_SORT\_USAGE  
**D.** $APT\_PARTITION\_FLUSH\_COUNT  
**E.** $APT\_TSORT\_STRESS\_BLOCKSIZE

Hide Answer

Answer: **A,E**

**Question No : 101 - Topic 2**

Which statement describes a SCD Type One update in the Slowly Changing  
Dimensionstage?

**A.** Adds a new row to the fact table.  
**B.** Adds a new row to a dimension table.  
**C.** Overwrites an attribute in the fact table.  
**D.** Overwrites an attribute in a dimension table.

Hide Answer

Answer: **D**

**Question No : 102 - Topic 2**

When you run a parallel job, any error messages and warnings are written to the job log  
and can be viewed from the Director client. What message handler level is available?

**A.** stage level  
**B.** record level  
**C.** project level  
**D.** parameterlevel

Hide Answer

Answer: **C**

**Question No : 103 - Topic 2**

A DataStage job uses an Inner Join to combine data from two source parallel datasetsthat  
were written to disk in sort order based on the join key columns. Which two methods could  
be used to dramatically improve performance of this job? (Choose two.)

**A.** Disable job monitoring.  
**B.** Set the environment variable $APT\_SORT\_INSERTION\_CHECK\_ONLY.  
**C.** Unset the Preserve Partitioning flag on the output of each parallel dataset.  
**D.** Explicitly specify hash partitioning and sorting on each input to the Join stage.  
**E.** Add a parallel sort stage before each Join input, specifying the "Don't Sort, Previously Grouped" sort key mode for each key.

Hide Answer

Answer: **B,E**

**Question No : 104 - Topic 2**

Which option is required to identify a particular job player processes?Which option is  
required to identify aparticular job? player processes?

**A.** Set $APT\_DUMP\_SCORE to true.  
**B.** Set $APT\_PM\_SHOW\_PIDS to true.  
**C.** Log onto the server and issue the command "ps -ef | grep ds".  
**D.** Use the DataStage Director Job administration screen to display active player processes.

Hide Answer

Answer: **B**

**Question No : 105 - Topic 2**

You are using the Complex Flat File stage as a source in your job. What are two types of  
data specifically supported by the Complex Flat File stage for your job? (Choose two.)

**A.** XML files.  
**B.** Mainframe data sets with VSAM files.  
**C.** Mainframe data files with DB2 tables.  
**D.** Data from files that contain Hadoop record types.  
**E.** Data from flat files that contain multiple record types.

Hide Answer

Answer: **B,E**

**Question No : 106 - Topic 2**

The effective use of naming conventions means that objects need to be spaced  
appropriately on the DataStage Designer canvas. For stages with multiple links,expanding  
the iconborder can significantly improve readability. This approach takes extra effort at first,  
so a pattern of work needs to be identified and adopted to help development. Which feature  
of Designer can improve development speed?

**A.** Palette Layout  
**B.** RepositoryLayout  
**C.** Snap to Grid Feature  
**D.** Show Performance Statistics Feature

Hide Answer

Answer: **C**

**Question No : 107 - Topic 2**

You have finished changes to many jobs and shared containers. You must export all of  
your changes and integrate them into a test project with other objects. Whatis a way to  
select the objects you changed for the export?

**A.** Sort the jobs by timestamp.  
**B.** Open Quick Find and select "Types to Find".  
**C.** Use Multiple Job Compile to locate objects that need to be compiled.  
**D.** Using the advanced find dialog, specify inthe last modified panel, the date range of the jobs, and appropriate user name.

Hide Answer

Answer: **D**

**Question No : 108 - Topic 2**

Indicate two possible job design topologies that Information Services Director (ISD) parallel  
jobs can conform to. (Choose two.)

**A.** A job with a single ISD Transformation stage.  
**B.** Ajob with one ISD Input stage and no ISD Output stage.  
**C.** A job with no ISD Input stage and with one ISD Output stage.  
**D.** A job with greater then one ISD input stage and one ISD Output stage.  
**E.** A job with one ISD Input stage and greater then one ISD Outputstage.

Hide Answer

Answer: **B,C**

**Question No : 109 - Topic 2**

Which job log message heading identifies the score in the job log?

**A.** OSH script ...  
**B.** main\_program: orchgeneral: loaded  
**C.** main\_program: Broadcasting score.  
**D.** main\_program: This step has 3 datasets:...

Hide Answer

Answer: **D**

**Question No : 110 - Topic 2**

Identify the two statements that are true about the functionality of the XML Pack  
3.0.(Choose two.)

**A.** XML Stages are Plug-in stages.  
**B.** XML Stage can be found in the Database folder on the palette.  
**C.** Uses a unique custom GUI interface called the Assembly Editor.  
**D.** It includes the XML Input, XML Output, and XML Transformer stages.  
**E.** A single XML Stage, which can be used as a source, target, or transformation.

Hide Answer

Answer: **C,E**

**Question No : 111 - Topic 2**

What are two statistics or attributes that can be added tothe output of a Data Rule stage?  
(Choose two.)

**A.** Record ID  
**B.** System timestamp  
**C.** Number of violations  
**D.** Job execution owner  
**E.** Percentage of violations

Hide Answer

Answer: **A,B**

**Question No : 112 - Topic 2**

What two Information Server tools can be used to create deployment packages for  
DataStage jobs? (Choose two.)

**A.** istool  
**B.** Information Server Console  
**C.** Information Server Manager  
**D.** InfoSphere Metadata Assset Manager  
**E.** Information Server Web Console - Administration tab

Hide Answer

Answer: **A,C**

**Question No : 113 - Topic 2**

How must the input data set be organized for input into the Join stage? (Choose two.)

**A.** Unsorted  
**B.** Key partitioned  
**C.** Hash partitioned  
**D.** Entire partitioned  
**E.** Sorted by Join key

Hide Answer

Answer: **B,E**

**Question No : 114 - Topic 2**

When using the Sequential File stage as a source, what two property options allow you to  
add extra columns about the file(s) you are reading onto theoutput link? (Choose two.)

**A.** File Name Column  
**B.** Percent Null Column  
**C.** Row number Column  
**D.** Surrogate Key Column  
**E.** Number of Records Column

Hide Answer

Answer: **A,C**

**Question No : 115 - Topic 2**

In a file defining a partial schema, which two properties define the record? (Choose two.)

**A.** intact  
**B.** delim  
**C.** position  
**D.** length\_of\_record  
**E.** record\_delim\_string

Hide Answer

Answer: **A,E**

**Question No : 116 - Topic 2**

The parallel framework supports standard and complex data types in the SQL typecolumn  
tab property. Identify the two complex data types? (Choose two.)

**A.** Vector  
**B.** VarChar  
**C.** Linked list  
**D.** Subrecord  
**E.** Binary trees

Hide Answer

Answer: **A,D**

**Question No : 117 - Topic 2**

In your parallel job design you have selected a parallel shared container to be included.  
Which area of your job design is required to be configured to use the parallel shared  
container?

**A.** List the jobs that will be allowed to use the container.  
**B.** Configure your job properties General tab "Allow Container" option to be True.  
**C.** Configure the job name reference the parallel shared container originates from.  
**D.** Configure the number of input and/or output links to support the parallel shared container.

Hide Answer

Answer: **D**

**Question No : 118 - Topic 2**

Each row contains the CustID, ProductID, ProductType and TotalAmount columns. You  
want to retain the record with the largest value in the TotalAmount column for each CustID  
and ProductType using a RemoveDuplicates stage. How can this be accomplished?

**A.** Hash-partition on CustID. Sort on CustID, ProductType and TotalAmount.  
**B.** Hash-partition on TotalAmount. Sort on CustID, ProductType and TotalAmount.  
**C.** Hash-partition on ProductType. Sort on ProductType, CustID and TotalAmount.  
**D.** Hash-partition on CustID, ProductTypeand TotalAmount. Sort on CustID, ProductType and TotalAmount.

Hide Answer

Answer: **A**

**Question No : 119 - Topic 2**

Which statement is true about table definitions created in DataStage Designer?

**A.** By default, table definitions created in DataStage Designer are visible to other Information Server products.  
**B.** Table definitions created in DataStage Designer are local to DataStage and cannot be shared with other Information Server products.  
**C.** When a table definition is created in one DataStage project, it is automatically available in other DataStage projects, but not outside of DataStage.  
**D.** Table definitions created in DataStage Designer are not by default available to other InformationServer products, but they can be shared with other Information Server products.

Hide Answer

Answer: **D**

**Question No : 120 - Topic 2**

What are two properties dependent of both Column for Calculation andSummary Column  
for Recalculation? (Choose two.)

**A.** Summary  
**B.** Missing Value  
**C.** Sum of Squares  
**D.** Mean Deviation  
**E.** Coefficient of Variation

Hide Answer

Answer: **A,B**

**Question No : 121 - Topic 2**

What two repositories does the Source Code Control Integration for DataStage and  
QualityStage serve? (Choose two.)

**A.** WebSphere Repository  
**B.** Source Code Repository  
**C.** Universe Project Repository  
**D.** InformationAnalyzer Repository  
**E.** Information Server metadata Repository

Hide Answer

Answer: **B,E**

**Question No : 122 - Topic 2**

In a Transformer expression for a stage variable, there is a nullable input column. Assume  
the legacy NULL processing option isturned off. What happens when a row is processed  
that contains NULL in that input column?

**A.** The job aborts.  
**B.** The row is rejected.  
**C.** NULL is written to the stage variable.  
**D.** The value written to the stage variable is undetermined.

Hide Answer

Answer: **C**  
Explanation: QUESTIONNO: 7 Identify two different types of custom stages you can create to extend the Parallel job syntax? (Choose two.) A. Input stage B. Basic stage C. Group stage D. Custom stage E. Wrapped stage Answer: D,E

**Question No : 123 - Topic 2**

Two new columns have been deleted from a sequential file that a number of DataStage  
jobs write to. You have imported a table definition for the changed file. How canyou  
determine what jobs might be affected by this change?

**A.** Select the new table definition, right-click, then click on the Where used command.  
**B.** Select the original table definition, right-click, then click on the Where used command.  
**C.** Select the original table definition, right-click, then click on the Find dependencies command.  
**D.** Select the new table definition, right-click, click on the Compare against command, then select original table definition.

Hide Answer

Answer: **B**

**Question No : 124 - Topic 2**

You are editing the configuration file. Which statement is true about file system efficiency?

**A.** Using multiple scratch spaces in a logical node improvesperformance.  
**B.** For the resource disk, it is best to use the partition where the engine is installed.  
**C.** Creating scratch disk spaces on an internal disk rather than on an NFS drive improves sort performance.  
**D.** In a clustered environment where NAS is usedfor a common storage, you must specify the internal disk for scratch disk.

Hide Answer

Answer: **C**

**Question No : 125 - Topic 2**

You have made a copy of your job and made major changes to a job in your project. You  
now want to identify all the changes that have been made. What task will allow you to  
identify these changes?

**A.** Export the original job to a backup directory.  
**B.** Export the modified job to the backup directory.  
**C.** Select the job, then right click Compare against.  
**D.** Select the job, then right click Cross ProjectCompare.

Hide Answer

Answer: **C**

**Question No : 126 - Topic 2**

The data going into the target Sequential File stage is sorted in each partition by the Date  
field. You want the data in the sequential file to be sorted by Date. Which collection  
algorithm should you choose in the Sequential File stage?

**A.** Auto  
**B.** Ordered  
**C.** Sort Merge  
**D.** Round Robin

Hide Answer

Answer: **C**

**Question No : 127 - Topic 2**

Which derivations are executed last in the Transformer stage?

**A.** Input column derivations  
**B.** Loop variable derivations  
**C.** Output column derivations  
**D.** Stage variable derivations

Hide Answer

Answer: **C**

**Question No : 128 - Topic 2**

A job using a one-node configuration file writes to a target Sequential File stage. The target  
Sequential File stage has been set to write to three different sequential files. How many  
instances of the Sequential File stage will run in parallel?

**A.** One.  
**B.** Two.  
**C.** Three.  
**D.** The job will abort, because a configuration file with at least three nodes is required.

Hide Answer

Answer: **C**

**Question No : 129 - Topic 2**

You are processing groups of rows in a Transformer. The first row in each group contains  
"1" in the Flag column and "0" in the remaining rows of the group. At the end of each group  
you want to sum and output the QTY column values. Which technique will enable you to  
retrieve the sum of the last group?

**A.** Output the sum that you generated each timeyou process a row for which the LastRow() function returns True.  
**B.** Output the sum that you generated up to the previous row each time you process a row with a "1" in the Flag column.  
**C.** Output a running total for each group for each row. Follow the Transformer stage by an Aggregator stage. Take the MAX of the QTY column for each group.  
**D.** Output the sum that you generated up to the previous row each time you process a row with a "1" in the Flag column. Use the FirstRow() function to determine when thegroup is done.

Hide Answer

Answer: **C**

**Question No : 130 - Topic 2**

Which statement is true about improving job performance when using Balanced  
Optimization?

**A.** Convert a job to use bulk staging tables for Big Data File stages.  
**B.** Balance optimization attempts to balance the work between the source server, target sever, and the job.  
**C.** If the job contains an Aggregator stage, data reduction stages will be pushed into a target data server by default.  
**D.** To ensure that a particular stage can only be pushed into a sourceor target connector, you can set the Stage Affinity property to source or target.

Hide Answer

Answer: **D**

**Question No : 131 - Topic 2**

What are the two Transfer Protocol Transfer Mode property options for the FTP Enterprise  
stage? (Choose two.)

**A.** FTP  
**B.** EFTP  
**C.** TFTP  
**D.** SFTP  
**E.** RFTP

Show Answer

**Question No : 132 - Topic 2**

In your job you are using a Sequential File stage as a source. You have decided to use a  
schema file as analternative way of specifying column definitions and record format  
properties. What two items are true in configuring this stage in your parallel job? (Choose  
two.)

**A.** Enable Run Time Column propagation.  
**B.** Enable Run Time Schema propagation.  
**C.** Configure the column tab with one column named 'Input'.  
**D.** Configure the Schema File property with the path of the schema file definition.  
**E.** Configure the APT\_SEQFILE\_HASSCHEMA property with the schema file path.

Hide Answer

Answer: **A,D**