SAP EDUCATION

PREP GUIDE: P_BIR_70

SAP Certified Application Professional – Reporting and Analysis with SAP NetWeaver Business Warehouse (BW 7.0)

Disclaimer: These sample questions are for self-evaluation purposes only and do not appear on the actual certification exams. Answering the sample questions correctly is no guarantee that you will pass the certification exam. The certification exam covers a much broader spectrum of topics, so do make sure you have familiarized yourself with all topics listed in the exam competency areas before taking the certification exam.

Introduction

Advanced Professional certifications require proven project experience, business process knowledge, and a more detailed understanding of SAP solutions. Professional certifications are targeting profiles with approximately four to seven years of experience. Besides the recommended education courses also practical job experience is required and tested. With professional-level certification, you can:

- Demonstrate both your experience and your expertise through a rigorous testing process
- Promote a more globally applicable accreditation
- Lead as well as execute tasks and engagements
- Access a community of SAP professional-level certified peers

If you are a consultant with more than four years of experience, you probably are already in possession of the knowledge you need to pass the exam. This certification preparation guide is designed to provide some guidance as to the topics covered in the exam, sample questions, and study resources.

Exam Competency Areas

The certification test for "SAP Certified Application Professional – BI Reporting and Analysis with SAP NetWeaver 7.0" verifies profound knowledge in the area of SAP NetWeaver BI reporting and analysis. This certificate proves that the candidate has an advanced understanding within this profile and is able to apply these skills practically and provide guidance in project implementation.

Software components: SAP NetWeaver 7.0

Number of Questions: 90

Duration: 180 minutes

Competency Areas: The following list helps you to identify the competency areas covered in this test. The percentage indicates the portion of the test dedicated to a particular competency area.

> 4. You should be able to interpret complex customer requirements into feasible solutions, applying your substantial project experience and high level analytical skills, in the following areas (40%).
>
> Topics / Learning Options:

- **User interface design (BW305 and BW306)**
  Expect a wide range of questions in this topic. Areas tested here include all the InfoProviders and their structure and settings, requirements gathering activities, analyzing various reporting business scenarios for the best approach, exceptions, conditions and the capabilities of all the BEx tools, Analysis Process Designer and Visual Composer.

- **Performance tuning in reporting (BW305)**
  In this topic, questions are found on reporting performance tuning techniques, the interpretation and usage of BI statistics to solve various reporting scenarios, BIA usage, the impact of aggregates, navigational attributes and hierarchies, and the functions of performance-oriented transaction codes such as RSRT.

- **Portal / KM integration (BW306)**
  To do well in this topic area, you should know how the SAP NetWeaver Portal and Knowledge Management services are integrated with SAP NetWeaver BI. This includes topics such as usage types, Portal objects and publishing to the Portal from various BEx tools including the Broadcaster.

- **Analysis Authorizations / Security (BW365)**
  Here in this topic, questions are asked about the analysis authorization process, what authorizations should be applied in various reporting scenarios, authorization migration and the impact of analysis authorizations on query performance.

5. You should be able to autonomously build solid customer solutions based on profound understanding and the application of your project experience in the following areas (40%).

   Topics / Learning Options:

- **3rd party integration (BW350)**
  Within the Enterprise Reporting, Query and Analysis area, there are several opportunities for using 3rd party reporting tools and also for reporting on non-SAP data. Questions in this topic focus on how this is accomplished and the various adapters, interfaces and APIs used.

- **Analysis Process Designer (BW380 or TBW41 e-learning)**
  This is a small topic for this exam. You should be familiar with the general features and processes used in the APD, along with the purpose of each of the available transformations.

- **Performance monitoring (BW360)**
  In this topic, questions are posed on the BI Administrator Cockpit usage and the available Technical Content for monitoring performance. Various performance-related business scenarios are used to test your knowledge query, InfoProvider and attribute change run performance.

- **Metadata (BW310)**
  Questions in this topic area center around the meta data repository and Business Content. You should be familiar with the functions of the meta data repository and Business Content windows in the Data Warehousing Workbench, meta data exchange, enhancement processes and relevant transaction codes for working with meta data.

- **Migration / Upgrade (DBW70M or DBW70E and DBW70R)**
  Another small topic area, the questions here focus on the process of migrating queries and other objects in a BI 7.0 environment.

- **Analytic Engine / OLAP (BW305)**
  This is one of the larger topics for questioning in this exam and so it is important to do well here. Questions here focus on designing queries for good performance, the various components of a query such as structures, restricted and calculated key figures and exception aggregation and how all of these elements are processed by the Analytic Engine. Also covered here are the OLAP Cache Monitor functions, the OLAP BAPI and the OLAP functions accessible from the BEx Query Designer.

- **BI administration / Monitoring (BW360)**
  Understanding the usage of performance settings in BI objects as well as system parameters to improve performance is important in this topic. Process chain usage and the integration of process chains and Broadcasting is another area tested here. Finally, topics such as interpreting performance statistics, aggregate administration, data administration and transporting objects are also areas for questions.

- **Documents (BW305)**
  You should know how documents are integrated into BI queries and reports as well as how and where they

are stored in order to do well in this topic.

- **Report-to-Report Interface (RRI) (BW305)**
  In this topic you will be faced with questions on how to create a RRI, what purpose the parameters play and when RRI can be useful in a BI environment.

6. You should be able to perform identified tasks in the following areas, based on your basic understanding during system implementation, configuration, and testing (20%).

Topics / Learning Options:

- **Integrated Planning (BW370)**
  Questions for this topic cover a broad range of functionality in Integrated Planning. You should be familiar with all the major components used in Integrated Planning, including the various sources of data and how they differ from one another. Concepts such as locking, planning related query settings and the overall processes used are also tested.

- **BI Java (BW350)**
  Although this is not a large section of the exam, you should still be familiar with the BI Java Connectors, their usage and capabilities as well as the purpose of the BI Java SDK.

- **Solution Manager**
  In this topic, the Solution Manager tools and their purpose form the basis for the questions.

- **SAP NetWeaver platform (BW305 or BW310)**
  You should be familiar with the SAP NetWeaver architecture, terminology and particularly how SAP NetWeaver BI is positioned within this architecture.

- **Data Warehousing Workbench (BW310)**
  For the Data Warehousing Workbench topic, you should be familiar with the functions supported by the workbench, the reporting-relevant settings that can be made for each of the major InfoProvider objects and common processes that affect reporting such as UOM/currency conversion and data deletion.

Sample Questions

Disclaimer: These sample questions are for self-evaluation purposes only and do not appear on the actual certification exams. Answering the sample questions correctly is no guarantee that you will pass the certification exam. The certification exam covers a much broader spectrum of topics, so do make sure you have familiarized yourself with all topics listed in the exam competency areas before taking the certification exam.

1. Your organization needs to use SAP BI InfoProvider data along with third-party reporting tools. What options can you use to enable this reporting requirement?

Note: There are 2 correct answers to this question.

a)   O   Use XML for Analysis (XML/A) Interface

b)   O   Allow Business Explorer queries to be accessed using MS-OLEDB for OLAP
               (ODBO)

c)   O   Use the File Interface to provide a flat file for reporting

d)   O   Use Universal Data Connect to allow third-party tools to extract data from
               SAP BI InfoProviders

2. Your customer needs to report on Average Rebate Earned at the Customer Group level. The customer also wants to make sure that an individual customer's rebate amount cannot be displayed in this report. Which of the following can solve this scenario?

Please choose the correct answer.

a)　　O　　Take the characteristic Customer out of the data model and have no analysis
authorization restrictions

b)　　O　　Ensure that the calculated key figure Average Rebate Earned in the report is
not authorization-relevant

c)　　O　　Set the analysis authorization on characteristic Customer Group to use a
special authorization value allowing for aggregated values

d)　　O　　Set the analysis authorization on characteristic Customer to use a special
authorization value allowing for aggregated values

3. Some users have been granted access to the BEx 7.x Query Designer. Which of the following would be valid tasks
performed by the super user?

Note: There are 3 correct answers to this question.

a)　　O　　Use the Cell Editor to format a complex table of results

b)　　O　　Change the data type for a key figure InfoObject

c)　　O　　Develop global calculated key figures for reuse in other queries

d)　　O　　Insert command URLs into the queries

e)　　O　　Apply exception aggregation to derive new information from a basic key
figure

4. Users are complaining about "poor query performance" in BI. What initial step would you take to address this situation?

Please choose the correct answer.

a)　　O　　Rebuild the indexes on all InfoCubes

b)　　O　　Split large InfoCubes into groups of smaller InfoCubes

c)　　O　　Review the system logs to help identify the problems

d)　　O　　Use the BI Administrator Cockpit reports to identify problem queries for more
detailed analysis

e)　　O　　Use the BI Administrator Cockpit reports to review data load performance

5. Your customer wants fast performance on query filter selection screens for the InfoObject 0VENDOR when creating a
query. He has also asked that the filters only show the vendor master records for which there are transactions posted. What
setting can solve both requirements?

Please choose the correct answer.

a)　　O　　Set the Query Execution Filter Value Selection property to 'Values in
InfoProvider' for InfoObject 0VENDOR

b)　　O　　Set the Query Definition Filter Value Selection property to 'Only Values in
InfoProvider' for 0VENDOR

c)　　O　　Create an index on the attribute table that is referenced by the InfoProvider.

d)   O   Build an aggregate on 0VENDOR for this InfoProvider

6. Which of the following statements regarding BI Integrated Planning are correct?

Note: There are 2 correct answers to this question.

a)   O   The same request ID can hold data from several planners when posting data
                       to a Real-Time InfoCube

b)   O   Both plan and actual data must be stored in separate InfoCubes

c)   O   IP does not allow you to post master data back to an InfoObject

d)   O   Planners only need authorization for the Modeling window in the Data
                       Warehousing Workbench in order to use the Planning Modeler

7. What types of information can be found in the metadata repository?

Note: There are 3 correct answers to this question.

a)   O   A list of queries created for a specific InfoProvider

b)   O   Definitions of both active and inactive Business Content

c)   O   A graphical view of the data flow for an InfoCube

d)   O   Statistics on metadata activation times

e)   O   A list of authorized users for a specific query

8. Your customer has several sales queries that access a very large amount of data from an InfoCube. The customer wants good performance when the queries are opened in the BEx Analyzer. Which of the following solutions would best accomplish this?

Please choose the correct answer.

a)   O   Create Report-to-Report Interfaces for detailed views of the queries

b)   O   Build aggregates on the InfoCube that match the query initial view

c)   O   Use Broadcaster to generate precalculated web templates

d)   O   Change the read mode of the queries to Read All Data

e)   O   Divide the queries into several smaller queries that can execute
                       simultaneously

9. Because query performance is an important issue for your customer, he has included the BI Accelerator in the landscape to improve performance. Which of the following elements can be used in your reporting design to improve query performance when reading the database at query runtime?

Note: There are 2 correct answers to this question.

a)   O   Only use BEx Analyzer-based reporting

b)   O   For queries based on InfoCubes not stored in the BIA, build aggregates

c) O Reduce the data selected by the query through well-defined filters

d) O Index all InfoCubes and DSOs on the BIA

e) O Build queries that use the Report-to-Report Interface

10. Which of the following statements regarding the SAP NetWeaver platform are correct?

Note: There are 2 correct answers to this question.

a) O SAP NetWeaver is an application platform that serves as the foundation for integrating solutions on several different levels

b) O SAP NetWeaver can power both SAP and non-SAP solutions

c) O SAP NetWeaver's predefined IT Scenarios describe the allocation of functionality to either the ABAP or Java stack for execution

d) O SAP NetWeaver enables process integration through modules such as Business Intelligence and Knowledge Management

11. Your customer wants to focus on the profitability of their highest volume items. Which of the following techniques in BI could you use to enable this requirement?

Note: There are 2 correct answers to this question.

a) O Top N conditions based on Gross Margin Percentage

b) O Regression analysis using the Analysis Process Designer

c) O Cluster analysis using the Analysis Process Designer

d) O Exceptions based on monthly sales quantities

e) O ABC analysis using the Analysis Process Designer

Expert Guidance

In preparing for this exam, it is important to remember that the exam covers a broad range of topics, and therefore it is not possible to ask many questions on any one topic. Certain topics, such as the BEx tools and the User Interface receive more emphasis than topics such as the Analysis Process Designer (APD) or Document Integration. Also, be advised that although this exam is focused on reporting and analysis, you will be asked questions regarding Data Warehousing Workbench functionality as it relates to queries, reporting and analysis. You should use the percentage guides from the Exam Competency Areas section above to guide the allocation of your preparation time.

As shown in the sample exam questions, a good understanding of various business scenarios is helpful when choosing the best answer from a list of possible approaches. For these types of questions where multiple answers are correct, it may be helpful to use a selection/elimination strategy. You can possibly eliminate answers that are factually wrong, while selecting answers that are clearly correct. This leaves fewer answers where you might not be sure, thus speeding up the selection process.

For questions that are based on product functionality rather than a business scenario, the answers are usually found in the course material listed for that area in the Exam Compentency Areas section above. While several answers may be very similar in their wording, take sufficient time to clearly understand the meaning of each answer rather than rushing. That will help in distinguishing which answer(s) is/are correct. Functionality questions are normally about the primary functions of the software, not obscure or secondary features and options.
BI administration and Performance tuning/monitoring are both areas where practical knowledge will be especially helpful. Some of the questions in these areas are not discussed directly in the training material and require an understanding of relevant transaction codes, tables and processes.

The majority of the questions in this exam are multiple choice questions. Some of these require you to select the single correct option whilst others are multiple response questions. In the multiple response questions, be sure to note the advice in the question stem on the number of correct responses. You must choose the number of options indicated as there is no partial scoring and multiple response questions are scored as either correct or incorrect. There may also be a small number of Fill-in-the Blank items. These questions are not designed to test your language skills so there is normally a range of possible options, for example with or without capitalization, etc.

Resource Page

SAP Developer's Network (SDN): http://sdn.sap.com > Information Management > Business Intelligence

A great source of whitepapers, blogs, wikis and forums for SAP NetWeaver BI
SAPPress web site: www.sap-press.com

Book: SAP Business Intelligence (BI) by Egger, Fiechter, Kramer, Sawicki and Weber
ISBN 978-1-59229-082-6

Book: Efficient SAP NetWeaver BI Implementation and Project Management by Gary Nolan
ISBN 978-1-59229-105-2

Book: SAP NetWeaver BI 7.0 Migration Guide by Daniel Knapp
ISBN 978-1-59229-228-8

Book: SAP NetWeaver BI Integrated Planning for Finance
by Kumar Srinivasan and Sridhar Srinivasan
ISBN 978-1-59229-129-8

Solutions

1 a) Correct	**2** a) Incorrect	**3** a) Correct	**4** a) Incorrect	**5** a) Incorrect
1 b) Correct	2 b) Incorrect	3 b) Incorrect	4 b) Incorrect	5 b) Correct
1 c) Incorrect	2 c) Incorrect	3 c) Correct	4 c) Incorrect	5 c) Incorrect
1 d) Incorrect	2 d) Correct	3 d) Incorrect	4 d) Correct	5 d) Incorrect
		3 e) Correct	4 e) Incorrect	
6 a) Correct	**7** a) Correct	**8** a) Incorrect	**9** a) Incorrect	**10** a) Correct
6 b) Incorrect	7 b) Correct	8 b) Correct	9 b) Correct	10 b) Correct
6 c) Correct	7 c) Correct	8 c) Incorrect	9 c) Correct	10 c) Incorrect
6 d) Incorrect	7 d) Incorrect	8 d) Incorrect	9 d) Incorrect	10 d) Incorrect
	7 e) Incorrect	8 e) Incorrect	9 e) Incorrect	
11 a) Incorrect	**12** a) Incorrect			
11 b) Incorrect	12 b) Incorrect			
11 c) Incorrect	12 c) Incorrect			
11 d) Correct	12 d) Correct			
11 e) Correct	12 e) Correct			

Want to learn more? Contact SAP for more information.