

Power BI Level 2 Practice Exam Answer Key

1. Question

Category: Power BI Desktop

What are the advantages of installing Power BI Desktop from the Microsoft Store instead of installing it using the standard MSI download?

- ☒ Installation does not require administrative privileges.
- ☐ It provides Power BI Desktop with greater access to content in Office 365 and Microsoft Azure.
- ☒ Monthly updates for Power BI Desktop are automatically installed in the background when they're available.
- ☒ It lowers the total cost of ownership (TCO) for an organization's IT department when distributing Power BI Desktop to a large audience.

2. Question

Category: Power BI Development

Which of the following operations can be accomplished by a developer using the Power BI Service API (aka Power BI REST API)?

- ☒ Creating a new dataset
- ☒ Adding rows to an existing dataset
- ☐ Retrieving rows from an existing dataset
- ☒ Refreshing an imported dataset

3. Question

Category: App Workspaces, Distribution and Licensing

Which of the following resources are automatically provisioned whenever you create a new app workspace in the Power BI Service?

- ☒ A storage container for Power BI resources including datasets, reports and dashboards
- ☐ An Azure Active Directory user account to serve as the workspace identity
- ☒ An Office 365 Group which triggers the creation of a SharePoint team site
- ☐ A shared capacity which is used to host the workspace

4. Question

Category: Report and Dashboard Design

Into which of the following scopes can you import a custom visual created for Power BI?

- ☒ Into the scope of a Power BI Desktop project
- ☐ Into the scope of your personal workspace
- ☐ Into the scope of an app workspace
- ☐ Into the scope of a premium capacity

5. Question

Category: Report and Dashboard Design

Which of the following report page details are recorded when you create a bookmark?

- ☒ The sort order of rows in a Table visual
- ☒ The current selection(s) for each slicer on the page
- ☐ The next page in the current bookmark collection's sequence
- ☒ Whether a visual has been spotlighted or hidden

6. Question

Category: Report and Dashboard Design

What is the purpose of the new Selection pane in the report designer in Power BI Desktop?

- ☐ It's used to control the tab order between visuals on a page.
- ☒ It's used to hide and show visuals on a page before recording a bookmark.
- ☐ It's used to combine two or more visuals on a page into a visual group.
- ☐ It's used to select data in a visual for highlighting and drilldown.

7. Question

Category: Report and Dashboard Design

[True or False] Using the new bookmarking features in the report designer in Power BI Desktop, you are limited to creating only one bookmark per page in a report.

- ☐ True
- ☒ False

8. Question

Category: Security and Tenant Administration

In which of the following scenarios does refreshing an imported dataset in the Power BI Service require either the an on-premises gateway or a personal gateway?

- ☒ When refreshing a dataset which imports its data from an on-premises SQL Server database.
- ☐ When refreshing a dataset which imports its data from an Azure SQL database.
- ☒ When refreshing an imported dataset which relies on an R input script as its source.
- ☐ When refreshing a dataset which imports its data from a list in SharePoint Online.

9. Question

Category: Report and Dashboard Design

Which of the following statements are true with regard to using the Slicer visual in a Power BI report?

- ☒ A Slicer visual is used on Power BI reports to provide the report consumer with interactive filtering behavior.
- ☐ A Slicer visual from a Power BI report can be pinned to a dashboard to make the dashboard interactive.
- ☒ A Slicer visual based on a Date column can be configured to use slider controls.
- ☐ When adding a field to the Field well of a Slicer visual, you can use either a column or a measure.

10. Question

Category: Report and Dashboard Design

Which of the following visuals is not included as part of Power BI and must be added as a custom visual?

- ☐ Waterfall
- ☒ Histogram
- ☐ Donut
- ☐ Stacked Area

11. Question

Category: Report and Dashboard Design

Which of the following visualization types supports configuring dashboard alerts?

- ☒ Card
- ☒ KPI
- ☒ Gauge
- ☐ Waterfall

12. Question

Category: Report and Dashboard Design

Which of the following statements are true with regard to designing Power BI content for mobile devices?

- ☒ The Power BI Desktop report designer provides Phone Layout View to design reports which target mobile devices.
- ☐ The Power BI Service report designer provides Phone Layout View in the browser to design reports which target mobile devices.
- ☐ The Power BI Desktop dashboard designer provides Phone view to design dashboards which target mobile devices.
- ☒ The Power BI service dashboard designer provides Phone view in the browser to design dashboards which target mobile devices.

13. Question

Category: Report and Dashboard Design

What is the file format used to define a theme for a Power BI report?

- ☐ Cascading Style Sheets (CSS)
- ☐ Extensible Markup Language (XML)
- ☒ JavaScript Object Notation (JSON)
- ☐ Power BI Markup Language (PBIML)

14. Question

Category: Report and Dashboard Design

Which of the following Power BI report settings can be customized using a report theme?

- ☐ The report background color
- ☐ The report background image
- ☒ A sequence of custom colors which are used by the visuals in the report
- ☒ The default properties for new visuals that are added to the report

15. Question

Category: Data Modeling and DAX

In the main Power BI Desktop window, which views can be used to create a new dimensional hierarchy?

- ☒ Report View
- ☒ Data View
- ☐ Relationships View

16. Question

Category: Report and Dashboard Design

[True or False] After you have pinned a report visual to create a dashboard tile, you can later modify the visual's properties and the Power BI service will automatically update the dashboard tile with the new visual property values.

- ☐ True
- ☒ False

17. Question

Category: App Workspaces, Distribution and Licensing

[True or False] In order to use the Power BI web part in SharePoint Online, the report author as well as all the report consumers require a Power BI Pro license.

- ☐ True
- ☒ False

18. Question

Category: Power BI Development

Which of the following types of real-time datasets in Power BI always store their data in an Azure SQL Database?

- ☐ Streaming Datasets
- ☒ Push Datasets
- ☒ Hybrid Datasets

19. Question

Category: Data Modeling and DAX

Which of the following statements are true with respect to setting the Cross-filter Direction property for a table relationship based on two tables with a one-to-many relationship?

- ☒ When the Cross-filter Direction is set to Single, the tabular database engine will only propagate the context filter in one direction from the one-side table to the many-side table.
- ☐ When the Cross-filter Direction is set to Single, the tabular database engine will only propagate the context filter in one direction from the many-side table to the one-side table.
- ☒ When the Cross-filter Direction is set to Both, the tabular database engine will propagate the context filter in both directions.
- ☒ There are cases where setting the Cross-filter Direction to Both is not allowed because it creates an ambiguity that cannot be resolved.

20. Question

Category: Report and Dashboard Design

Which of the following are advantages that Power BI dashboards have over Power BI reports?

- ☒ Dashboards support using the Natural Language Q&A features of Power BI.
- ☐ Dashboards provide a better interactive filtering and drilldown experience.
- ☒ Dashboards update automatically whenever the data in the underlying dataset is updated.
- ☒ Dashboard provide support for data-driven alerts.

21. Question

Category: Report and Dashboard Design

Which of the following are advantages that Power BI reports have over Power BI dashboards?

- ☒ Reports provide a better interactive filtering and drilldown experience.
- ☒ Reports provide story telling capabilities using bookmarks.
- ☐ Reports provide a better real-time experience when displaying data from a streaming dataset.
- ☒ Report definitions can be saved using an external file format (PBIX) and checked into source control.

22. Question

Category: Report and Dashboard Design

Which types of datasets can be used to create a dashboard with streaming data tiles?

- ☐ DirectQuery Datasets
- ☒ Streaming Datasets
- ☐ Push Datasets
- ☒ Hybrid Datasets

23. Question

Category: Queries, Datasources and Connectors

Which command in the Power BI Desktop query editor is used to create a new query that uses the output of another query as its input source?

- ☐ Duplicate
- ☐ Pipe
- ☒ Reference
- ☐ Map

24. Question

Category: Queries, Datasources and Connectors

Imagine you have created a query named Customers in a Power BI Desktop to append the rows from three external tables with customer data into a single output table named Customers. What would be the best approach to add a new fabricated ID column to the Customers table to ensure that every row in the Customers table contains a unique ID value?

- ☐ Modify the Customers query by adding a Counter column
- ☒ Modify the Customers query by adding an Index column
- ☐ Modify the data model by extending the Customers table with a Counter column
- ☐ Modify the data model by extending the Customers table with an Index column

25. Question

Category: Data Modeling and DAX

What Data Category setting should you use to geographically map column values to United States cities when the column contains values in city, state format such as Dallas, TX and Tampa, FL?

- ☐ StateOrProvince
- ☐ City
- ☒ Place
- ☐ Address

26. Question

Category: Power BI Report Server

Which of the following operations are possible when working with the October 2017 preview version of Power BI Report Server?

- ☒ Publish a report created with Power BI Desktop which has a live connection to a SSAS tabular database.
- ☒ Publish a report created with Power BI Desktop which has an imported dataset.
- ☐ Publish a Power BI dashboard.
- ☐ Integrate the Natural Language Q&A features of Power BI with Power BI Report Server.

27. Question

Category: App Workspaces, Distribution and Licensing

Which of the following actions can you take to take advantage of Power BI Premium?

- ☐ Modify the Premium Enabled setting of a report or dashboard.
- ☐ Modify the Premium Enabled setting of a dataset.
- ☒ Configure one or more app workspaces to run within the scope of a Premium capacity.
- ☐ Configure one or more app workspaces to run within the scope of a Shared capacity.

28. Question

Category: App Workspaces, Distribution and Licensing

Which of the following is a requirement for a user with a Power BI Pro license to share a dashboard with users who have the Power BI Free license?

- ☐ The dashboard must be created in a workspace that is running within the Shared capacity.
- ☒ The dashboard must be created in a workspace that is running within a Premium capacity.
- ☐ This is a trick question - A user with a Pro license can never share content with users who have the Free license.
- ☐ Nothing is required - A user with a Pro license can always share content with users who have the Free license.

29. Question

Category: Report and Dashboard Design

Assume you have just completed designing a report in Power BI Desktop in which you have imported a custom visual such as the Hierarchy Slicer. What are the extra steps required when publishing the PBIX file containing the Power BI Desktop report to an app workspace to ensure that your report can properly display the custom visual in the browser?

- ☐ You must import the custom visual into the target workspace before publishing the Power BI Desktop project.
- ☐ The tenant administrator must install the custom visual at tenant-level scope.
- ☐ The tenant administrator must mark the custom visual as Safe within the current tenant using the GUID-based ID of the custom visual.
- ☒ There are no extra steps because custom visual distribution is transparent once you have imported the custom visual into a Power BI Desktop project.

30. Question

Category: App Workspaces, Distribution and Licensing

Which of the following features are supported when distributing Power BI content using an organizational content pack but not yet supported by the new Power BI App model?

- ☐ The ability to make a dashboard accessible through the Power BI native mobile applications for iOS and Android.
- ☒ The ability of a report consumer to copy a report and then edit the report copy to make personalized changes.
- ☐ The ability to publish a subset of the dashboards, reports and datasets that have been added to an app workspace.
- ☐ The ability to share reports with users that have the Power BI Free license.

31. Question

Category: Security and Tenant Administration

Which of the following are requirements for a computer running the On-premises data gateway?

- ☒ The computer requires a 64-bit version of Windows
- ☐ The computer must run a server-side operating systems such as Windows Server 2016 or Windows Server 2012 R2.
- ☐ The computer must be joined to an Active Directory domain.
- ☒ The computer cannot be a domain controller.

32. Question

Category: Security and Tenant Administration

Which of the following Azure Active Directory (AAD) security principals can be used to configure the membership of an app workspace?

- ☒ An Azure AD user account
- ☐ An Azure AD security group
- ☐ An Azure AD mail-enabled security group
- ☐ An Office 365 group in an Azure Active Directory tenant

33. Question

Category: Security and Tenant Administration

Which of the following Azure Active Directory (AAD) security principals can be used to configure the membership of a security role created using the Row-Level Security (RLS) features supported by the Power BI service?

- ☒ An Azure AD user account
- ☒ An Azure AD security group
- ☒ An Azure AD mail-enabled security group
- ☐ An Office 365 group in an Azure Active Directory tenant

34. Question

Category: Data Modeling and DAX

Which of the following strategies are recommended when designing the queries to import data from an OLTP-style database into a Power BI Desktop project?

- ☐ Normalizing the data model to make it better suited for data analysis and reporting.
- ☒ Denormalizing the data model to make it better suited for data analysis and reporting.
- ☐ Refactoring the imported tables into a multidimensional cube.
- ☒ Refactoring the imported tables into a star schema.

35. Question

Category: Queries, Datasources and Connectors

When designing a query in Power BI Desktop, what is the best datatype to use for a column that contains currency values?

- ☐ Whole Number
- ☐ Money
- ☐ Decimal number
- ☒ Fixed decimal number

36. Question

Category: Data Modeling and DAX

Which of the following statements is false with respect to writing DAX expressions that reference calculated columns and measures?

- ☐ When referencing a calculated column in a DAX expression, you must include the table name.
- ☒ When referencing a measure in a DAX expression, you must include the table name.
- ☐ When referencing a measure in a DAX expression, you can optionally include the table name.
- ☐ When referencing a measure in a DAX expression, you should prefer not to include the table name.

37. Question

Category: Queries, Datasources and Connectors

Which of the following statements are true with respect to designing a Power BI Desktop project in DirectQuery mode?

- ☒ All queries within the project must be based on a single source database.
- ☒ You cannot convert column data types when editing a query.
- ☐ You cannot add calculated columns to the data model.
- ☐ You cannot add measures to the data model.

38. Question

Category: Security and Tenant Administration

Which of the following DAX expressions are valid and can be used for table filters when configuring row-level security (RLS).

- ☐ [State]="WA" OR [State]="OR" OR [State]="CA"
- ☒ OR([State]="WA", OR([State]="OR", [State]="CA"))
- ☒ [State]="WA" || [State]="OR" || [State]="CA"
- ☒ [State] IN {"WA", "OR", "CA"}

39. Question

Category: Data Modeling and DAX

[True or False] When writing the DAX expression for a measure, you can assume your DAX code automatically has row context for the table in which the measure is defined.

- ☐ True
- ☒ False

40. Question

Category: Data Modeling and DAX

[True or False] When writing the DAX expression for a calculated column, you can assume your DAX code automatically has row context for the table in which the calculated column is defined.

- ☒ True
- ☐ False

41. Question

Category: Data Modeling and DAX

When designing a data model with Power BI Desktop, which of the following statements are true regarding the rules for creating table relationships?

- ☒ A relationship between two tables must be defined using a single field from each table.
- ☐ A relationship between two tables can be defined using multiple fields from each table.
- ☒ At least one column defined in a table relationship must contain unique values.
- ☒ You can define multiple relationships between two tables in a data model but only one of the relationships can be marked as active.

42. Question

Category: Queries, Datasources and Connectors

Which of the following is not a valid variable type when programming in the M language?

- ☐ List
- ☒ Dataframe
- ☐ Function
- ☐ Record

43. Question

Category: Data Modeling and DAX

Which of the following DAX functions does not return a table?

- ☐ Filter
- ☐ AllExcept
- ☒ Calculate
- ☐ Values

44. Question

Category: Queries, Datasources and Connectors

Which language(s) can be used when designing a query in Power BI Desktop?

- ☒ M
- ☒ SQL
- ☐ Python
- ☒ MDX

45. Question

Category: Report and Dashboard Design

Which of the following field types can be added to the Field well of a Slicer visual?

- ☒ Native columns returned by a query.
- ☒ Calculated columns created using a DAX expression.
- ☐ Measures created using a DAX expression.
- ☒ Groups created inside a table using the "New Group" command in Power BI Desktop.

46. Question

Category: Queries, Datasources and Connectors

Which of the following is not a valid privacy level for a Power BI data source?

- ☐ Public
- ☒ Confidential
- ☐ Private
- ☐ Organizational

47. Question

Category: Power BI Desktop

Which of the following versions of the Windows operating system support installing Power BI Desktop?

- ☒ Windows 10
- ☒ Windows 8.1
- ☒ Windows 7
- ☐ Windows Vista

48. Question

Category: App Workspaces, Distribution and Licensing

Which of the following are advantages associated with moving an app workspace into a Premium capacity that has been created using a Power BI Premium P1 subscription?

- ☒ Dashboards within the app workspace can be shared with users who have the Power BI Free license.
- ☒ The app published from the app workspace can be installed and consumed by users who have the Power BI Free license.
- ☐ Users who have the Power BI Free license can directly access the app workspace for read-only access to its content.
- ☒ Reports and dashboards in the app workspace can be embedded by developers in custom applications and served to non-licensed users.

49. Question

Category: Power BI Development

What is the primary programming language used to develop a custom data connector for Power BI?

- ☐ C#
- ☐ JavaScript
- ☒ M
- ☐ R

50. Question

Category: App Workspaces, Distribution and Licensing

Which of the following Power BI subscriptions provides licensing which allows user to view Power BI content through the Power BI mobile apps?

- ☒ Power BI Free (user license)
- ☒ Power BI Pro (user license)
- ☐ Power BI Premium EM3 (capacity license)
- ☒ Power BI Premium P1 (capacity license)