1. What is the difference between Power BI Desktop and Power BI Online Service?

Power BI Desktop is a free application used for data modeling, report creation, and transformations locally. Power BI Online Service (app.powerbi.com) is a cloud-based service used for publishing, sharing, collaboration, scheduled refresh, and administration.

2. How do you publish a Power BI report from Desktop to the Online Service?

In Power BI Desktop, you click 'Publish' and sign in with your Power BI account. The report is uploaded to a selected workspace in the Power BI Online Service.

3. What is a workspace in Power BI? What are the types of workspaces available?

A workspace is a collaborative environment in Power BI Service where datasets, reports, dashboards, and dataflows are stored. Types: My Workspace (personal, private) and Shared/Advanced Workspaces (collaborative, with roles and permissions).

4. What is the difference between a workspace and an app in Power BI?

Workspace: a collaborative environment for developers and teams to build content. App: a packaged version of reports/dashboards published from a workspace to a wider audience with controlled access.

5. Explain the different Power BI license types and their limitations.

Free: Limited to personal use in 'My Workspace'. Cannot share with others. Pro: Required for sharing, collaboration, and app publishing. Premium: Provides dedicated capacity, larger dataset sizes, advanced AI, paginated reports, and sharing with free users.

6. How can you share a report with someone who doesn't have a Pro license?

Reports can be shared with free users only if the content is hosted in a Premium capacity workspace. Otherwise, both sender and recipient need Pro licenses.

7. What is a semantic model (dataset) in Power BI, and where is it stored in the service?

A dataset (semantic model) is the data model containing tables, relationships, measures, and transformations. It is stored in the workspace of the Power BI Online Service where the report was published.

8. How does Scheduled Refresh work in Power BI Online Service?

Scheduled refresh automatically updates datasets at defined intervals by re-querying the data source. Free users get limited refresh (daily), Pro users up to 8 times per day, and Premium capacity allows up to 48 refreshes per day.

9. What is the difference between a dataset and a dataflow in Power BI?

Dataset: A semantic model created in Power BI Desktop or Service, optimized for reporting. Dataflow: A cloud-based ETL process in Power BI Service for preparing and storing data, reusable across multiple datasets.

10. When and why would you use a dataflow instead of a dataset?

You use a dataflow when you want to centralize data preparation, reuse transformations across multiple datasets, and enable self-service data modeling at scale.

11. What are dashboards in Power BI Online? How are they different from reports?

Dashboards are single-page, customizable canvases containing visuals pinned from one or multiple reports. Reports are multi-page and tied to a single dataset. Dashboards can combine visuals from different datasets.

12. How do you pin a visual to a dashboard from a report?

In Power BI Service, open a report, hover over a visual, and click the 'Pin' icon. Then choose an existing dashboard or create a new one.

13. What is the mobile view in Power BI and why is it useful?

Mobile view allows customizing the layout of reports for mobile devices. It ensures that visuals are readable and optimized for smaller screens.

14. What is a paginated report in Power BI and when would you use it?

Paginated reports are pixel-perfect, printable reports ideal for detailed tabular or invoice-like data. They are often used in financial and operational reporting.

15. Can you export reports from Power BI Service to PDF or PowerPoint? How?

Yes, reports can be exported by selecting 'File > Export > PDF' or 'Export > PowerPoint' in the Power BI Service. This generates offline versions of the reports.

16. What does "Live Connection" mean in Power BI Service, and how does it work?

Live Connection means the Power BI report connects directly to a dataset (or Analysis Services) without storing data in memory. All queries are executed against the live source.

17. Explain Row-Level Security (RLS) and how it's applied in Power BI Online.

RLS restricts data access at the row level using filters defined in Power BI Desktop. When published, these roles are enforced in the Service for users assigned to them.

18. How can you test RLS roles in Power BI Service?

In Power BI Service, dataset settings allow admins to 'Test as role'. You can simulate how reports appear to users under specific RLS roles.

19. What are Apps in Power BI and how do you publish one?

Apps are packaged collections of reports and dashboards published from a workspace. They can be shared with users or groups by clicking 'Publish App' in the workspace.

20. What are some key benefits of using the Power BI Online Service in enterprise environments?

Key benefits include: centralized collaboration, secure sharing, scalability with Premium, integration with Microsoft 365, automated refresh, governance, and advanced analytics support.