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

- Power BI Desktop is a Windows application used for data modeling, transformation, and report building.

- Power BI Online Service (app.powerbi.com) is a cloud-based platform used for sharing, collaboration, and report/dashboard consumption.

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

- Click on the "Publish" button in Power BI Desktop and sign into your Power BI account. Then choose the workspace where the report should be uploaded.

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

- A workspace is a container for datasets, reports, dashboards, and apps.

- Types:
  - My Workspace: Personal area for individual use.
  - Shared Workspaces: Collaborative environment for teams.

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

- A workspace is for creating and managing content.

- An app is a packaged version of workspace content shared with end users, often with restricted interactivity and editing rights.

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

- Free: Limited to personal use; can't share with others.

- Pro: Required for sharing and collaboration; users must also have Pro to view shared content.

- Premium Per User (PPU): Offers more features like paginated reports and larger datasets.

- Premium Capacity: Organizational license allowing sharing with Free users and advanced capabilities.

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

- By publishing the report to a Premium workspace, users with Free licenses can view it.

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

- A semantic model (dataset) is the data model uploaded to the Power BI Service.

- It is stored in the workspace where the report was published and can be reused in other reports.

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

- Scheduled Refresh allows automatic data refresh from connected sources at set times. It must be configured in dataset settings in Power BI Service.

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

- Dataset: Data model used in reports, created in Power BI Desktop.

- Dataflow: ETL (Extract-Transform-Load) process in the cloud, reusable across datasets and reports.

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

- Use dataflows when you want to centralize data preparation, ensure reusability across multiple reports, or manage large-scale transformations in the cloud.

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

- Dashboards are single-page, visual summaries built by pinning visuals from multiple reports or datasets.

- Reports are multi-page and interactive, containing more detailed data analysis.

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

- In Power BI Service, click the "Pin" icon on a visual in a report and choose a dashboard to pin it to.

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

- Mobile View allows designing reports optimized for smartphones and tablets, ensuring better usability and readability on small screens.

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

- Paginated Reports are pixel-perfect reports built for printing or exporting (like invoices or receipts). They are ideal when report layout control is needed.

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

- Yes. In Power BI Service, open a report, click on File > Export > PDF or PowerPoint, and download it.

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

- Live Connection means the report queries data directly from the source (e.g., SSAS or a published dataset) without importing it, ensuring real-time updates.

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

- RLS restricts data visibility based on user roles.

- It's defined in Power BI Desktop and activated in the Service by assigning users to roles under the dataset settings.

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

- Go to the dataset in the Service, click "Security", then choose a role and "Test as Role" to simulate user view.

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

- Apps are read-only packages of content (reports, dashboards) built from a workspace.

- To publish: Go to the workspace > click "Publish App", configure settings, and distribute the app link.

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

- Centralized report distribution

- Secure sharing and access control

- Real-time collaboration

- Scheduled refresh and alerts

- Integration with Microsoft 365 and Azure services