

## POWER BI + EXCEL INTERVIEW QUESTIONS & ANSWERS (FOR FRESHERS)

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### POWER BI INTERVIEW QUESTIONS

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#### 1. What is Power BI?

Power BI is a business analytics tool used for data visualization, reporting, and decision-making.

#### 2. Main components of Power BI?

- Power BI Desktop
- Power BI Service
- Power BI Mobile
- Power Query
- Power Pivot
- Power View

#### 3. Difference between Power BI Desktop and Power BI Service?

Desktop: Create reports locally.

Service: Publish and share reports online.

#### 4. What is Power Query?

A tool used to import, clean, and transform data (ETL).

#### 5. What is DAX?

Data Analysis Expressions used for calculations.

#### 6. What is a Measure?

A dynamic calculation based on context.

#### 7. What are Calculated Columns?

Static DAX-based columns stored in model.

**8. Measure vs Calculated Column?**

Measures = dynamic; Calculated Columns = static.

**9. What is a Dashboard?**

Single-page visualization collection.

**10. What is a Report?**

Collection of visuals across multiple pages.

**11. Types of Filters?**

Visual, Page, Report, Drillthrough, Cross-filter.

**12. What is Relationship?**

Connection between tables using keys.

**13. What is Star Schema?**

Fact table + Dimension tables.

**14. Import vs DirectQuery?**

Import = fast, stored locally; DirectQuery = real-time, slower.

**15. What is Drill Down?**

Navigate from summary to detail.

**16. What is Gateway?**

Connects on-premises data to Power BI Service.

**17. What is Query Folding?**

Pushes transformations to source for performance.

**18. What is RLS?**

Restricts data visibility.

19. What is KPI Visual?

Shows value, target, and trend.

20. Data Refresh Types?

Manual, Scheduled, Automatic.

21. What are Bookmarks?

Save report states.

22. What is Slicer?

Interactive filter.

23. What is Hierarchy?

Levels like Year → Month.

24. Common DAX functions?

SUM, AVERAGE, COUNT, CALCULATE, FILTER.

25. Data Types?

Whole number, Decimal, Date, Text, Boolean, Currency.

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## EXCEL INTERVIEW QUESTIONS

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1. What is Excel?

Spreadsheet tool for data analysis, calculations, and automation.

2. Most used Excel functions?

SUM, AVERAGE, COUNT, IF, VLOOKUP, INDEX, MATCH, TRIM.

3. Difference between COUNT, COUNTA, COUNTIF?

COUNT = numbers, COUNTA = non-empty, COUNTIF = condition based.

**4. Formula vs Function?**

Formula = user created; Function = predefined.

**5. What is VLOOKUP?**

Vertical lookup function.

**6. What is HLOOKUP?**

Horizontal lookup.

**7. VLOOKUP vs INDEX/MATCH?**

INDEX-MATCH is faster and flexible.

**8. What are Pivot Tables?**

Summarize data quickly.

**9. What are Pivot Charts?**

Charts linked to pivot tables.

**10. What is Conditional Formatting?**

Formats data based on rules.

**11. Data Types?**

Number, Text, Date, Currency.

**12. What is Flash Fill?**

Auto-fills patterns (Ctrl+E).

**13. IF Function?**

Conditional logic.

**14. Absolute, Relative, Mixed references?**

Relative = A1, Absolute = \$A\$1, Mixed = \$A1.

15. What is Data Validation?

Restricts data entry.

16. Remove duplicates?

Data → Remove Duplicates.

17. TRIM function?

Removes extra spaces.

18. CONCAT function?

Joins text.

19. What is Goal Seek?

Find input for target output.

20. Named Range?

Assigns name to range.

21. Freeze Panes?

Locks headers during scrolling.

22. What is a Macro?

Automation script.

23. Excel Dashboards?

Combination of charts/table/slicers.

24. What is XLOOKUP?

Modern flexible lookup.

25. Filter vs Advanced Filter?

Advanced Filter = complex filtering.

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