1. What does "SSBI" stand for in the context of Power BI?
   * a) Self-Service Business Insights
   * b) Self-Service Business Intelligence
   * c) Software Solution Business Integration
   * d) Strategic Service Business Intelligence
   * **Answer:** b) Self-Service Business Intelligence
2. Which of the following is NOT a key benefit of Power BI?
   * a) Real-time data access
   * b) High cost of deployment
   * c) Interactive visualizations
   * d) Collaboration capabilities
   * **Answer:** b) High cost of deployment
3. What is Power BI primarily used for?
   * a) Website development
   * b) Business Intelligence and data analysis
   * c) Software programming
   * d) Cloud storage solutions
   * **Answer:** b) Business Intelligence and data analysis
4. What are the core building blocks of Power BI?
   * a) Reports, Tables, Databases
   * b) Visualizations, Datasets, Reports, Dashboards
   * c) Queries, Formulas, Workbooks
   * d) Models, Relationships, Filters
   * **Answer:** b) Visualizations, Datasets, Reports, Dashboards
5. Which of the following is part of Power BI architecture?
   * a) Power BI Desktop
   * b) Power Query
   * c) Power BI Service
   * d) All of the above
   * **Answer:** d) All of the above
6. What is Power BI Desktop used for?
   * a) Designing reports and dashboards
   * b) Data entry
   * c) Building mobile applications
   * d) Writing SQL queries
   * **Answer:** a) Designing reports and dashboards
7. Which feature allows you to merge multiple datasets in Power BI Desktop?
   * a) Data Modelling
   * b) Data Merging
   * c) Query Editor
   * d) Data Blending
   * **Answer:** c) Query Editor
8. What does the 'Append' function in Power BI do?
   * a) Combines data from multiple queries into one
   * b) Deletes duplicate records
   * c) Joins tables by matching keys
   * d) Changes data types of columns
   * **Answer:** a) Combines data from multiple queries into one
9. What is the Query Editor used for in Power BI?
   * a) Writing SQL queries
   * b) Cleaning and transforming data
   * c) Importing images
   * d) Creating dashboards
   * **Answer:** b) Cleaning and transforming data
10. What is the primary purpose of "Data Sources" in Power BI?
    * a) To connect to and retrieve data from external systems
    * b) To manage reports and dashboards
    * c) To edit visualizations
    * d) To schedule data refreshes
    * **Answer:** a) To connect to and retrieve data from external systems
11. Which operation in Power BI helps you convert columns into rows?
    * a) Pivoting
    * b) Unpivoting
    * c) Merging
    * d) Appending
    * **Answer:** b) Unpivoting
12. What is the purpose of "Splitting Columns" in Power BI?
    * a) To combine multiple columns into one
    * b) To divide data in one column into multiple columns
    * c) To delete empty columns
    * d) To create a calculated column
    * **Answer:** b) To divide data in one column into multiple columns
13. How can you replace specific values in a column in Power BI?
    * a) Using DAX
    * b) Using Replace Values function in Query Editor
    * c) Using Conditional Formatting
    * d) Using the Data Model
    * **Answer:** b) Using Replace Values function in Query Editor
14. What is a conditional column in Power BI?
    * a) A column added based on specific conditions or logic
    * b) A column generated from appending queries
    * c) A column that automatically deletes duplicates
    * d) A column that splits into two or more columns
    * **Answer:** a) A column added based on specific conditions or logic
15. What does DAX stand for in Power BI?
    * a) Data Analytics Exchange
    * b) Data Analysis Expressions
    * c) Data Access Execution
    * d) Data Aggregation Expressions
    * **Answer:** b) Data Analysis Expressions
16. Which DAX function is used to calculate the sum of a column?
    * a) SUMX
    * b) COUNT
    * c) SUM
    * d) AVERAGE
    * **Answer:** c) SUM
17. What is the difference between ROW context and FILTER context in DAX?
    * a) ROW context refers to rows; FILTER context applies only to columns
    * b) ROW context refers to a single row; FILTER context applies filters across rows and columns
    * c) ROW context refers to calculated measures; FILTER context refers to data tables
    * d) There is no difference between ROW and FILTER context
    * **Answer:** b) ROW context refers to a single row; FILTER context applies filters across rows and columns
18. Which function is considered the most versatile in DAX?
    * a) CALCULATE
    * b) SUMMARIZE
    * c) FILTER
    * d) IF
    * **Answer:** a) CALCULATE
19. Which of the following visualizations in Power BI is best suited to track Key Performance Indicators (KPIs)?
    * a) Scatter Plot
    * b) Pie Chart
    * c) KPI Visual
    * d) Bar Chart
    * **Answer:** c) KPI Visual
20. What is a Decomposition Tree used for in Power BI?
    * a) To drill down into hierarchical data for detailed analysis
    * b) To show geographical data on a map
    * c) To combine multiple visuals into one
    * d) To create a new column from existing data
    * **Answer:** a) To drill down into hierarchical data for detailed analysis
21. What is a "Star Schema" in Power BI?
    * a) A single table data model
    * b) A data model with a central fact table connected to dimension tables
    * c) A circular data model
    * d) A method to import data from multiple sources
    * **Answer:** b) A data model with a central fact table connected to dimension tables
22. In Power BI, what does a "Data Relationship" represent?
    * a) A connection between different reports
    * b) A link between two or more tables based on a common field
    * c) A way to combine measures and calculated columns
    * d) A method to format visuals
    * **Answer:** b) A link between two or more tables based on a common field
23. Which of the following types of relationships is NOT possible in Power BI?
    * a) One-to-Many
    * b) Many-to-One
    * c) One-to-One
    * d) Many-to-Many
    * **Answer:** b) Many-to-One
24. What is the purpose of the "Manage Data Relationships" feature in Power BI?
    * a) To delete unused tables
    * b) To join tables from different databases
    * c) To create and manage relationships between tables in the data model
    * d) To merge and append tables
    * **Answer:** c) To create and manage relationships between tables in the data model
25. What does the DAX function CALCULATE() allow you to do in Power BI?
    * a) Aggregate values based on row context
    * b) Apply filters to modify the context of a calculation
    * c) Calculate column totals
    * d) Create new calculated tables
    * **Answer:** b) Apply filters to modify the context of a calculation