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0905N422

Candidate's Seat No: _____

IMBA in BI/IB/APR Sem.8 Examination

BI-PBI

DV

May-2025

Time : 1-30 Hours]

[Max. Marks : 70

- Instructions :** (1) This paper contains **Thirty Five** questions.
(2) Each Question is of 2 Marks.
(3) Each Question is of multiple choices.
(4) All questions are compulsory.

NO.	QUESTION	Marks
Q.1	Which of the following is NOT a component of Power BI? a) Power Query b) Power Pivot c) Power View d) Power Animate	2
Q.2	Power BI is primarily used for: a) Web development b) Data visualization and business intelligence c) Mobile app creation d) Photo editing	2
Q.3	Which view in Power BI Desktop allows you to create relationships between tables? a) Data View b) Model View c) Report View d) Query View	2
Q.4	The Power BI service is also known as: a) Power BI Cloud b) Power BI Online c) Power BI Report Server d) Power BI Gateway	2
Q.5	Which visual in Power BI is best for showing trends over time? a) Table b) Line chart c) Pie chart d) Card visual	2
Q.6	Which visual interaction feature allows you to control how one visual affects another on the same report page?	2

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- a) Cross-filtering
 - b) Drill-through
 - c) Tooltips
 - d) Bookmarks
- Q.7** What is the maximum number of tables allowed in a Power BI model? **2**
- a) 100
 - b) 250
 - c) Unlimited (dependent on memory)
 - d) 500
- Q.8** What Power BI tool is used to customize and apply themes? **2**
- a) Color Manager
 - b) Theme Designer
 - c) Format Pane
 - d) Visual Styles
- Q.9** Which of these functions returns the rank of a value in a column? **2**
- a) RANKX
 - b) CALCULATE
 - c) SUMMARIZE
 - d) VALUES
- Q.10** Power BI Desktop is primarily used for: **2**
- a) Data entry
 - b) Data modeling and report creation
 - c) Web design
 - d) Image processing
- Q.11** In Power BI, slicers are used for: **2**
- a) Filtering data interactively
 - b) Uploading reports
 - c) Connecting data sources
 - d) Exporting data
- Q.12** Which visual would best display part-to-whole relationships? **2**
- a) Pie chart
 - b) Line chart
 - c) Table
 - d) Scatter chart
- Q.13** What is the use of quick measures in Power BI? **2**
- a) Automatically generate common DAX calculations
 - b) Create visuals
 - c) Export data
 - d) Connect data sources
- Q.14** Which option allows creating hierarchies in Power BI? **2**
- a) Drag and drop fields in Fields pane
 - b) Using bookmarks
 - c) Adding calculated columns
 - d) Changing table names
- Q.15** Which card visual displays a single summary number? **2**

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- a) Multi-row card
b) KPI
c) Single card
d) Clustered column chart
- Q.16** To count distinct values in the 'CustomerID' column, which DAX expression is correct? **2**
a) DISTINCTCOUNT(CustomerID)
b) DISTINCTCOUNT([CustomerID])
c) COUNTDISTINCT('CustomerID')
d) COUNTD([CustomerID])
- Q.17** How do you calculate the average of the column 'OrderValue'? **2**
a) AVG([OrderValue])
b) AVERAGE('OrderValue')
c) AVERAGE([OrderValue])
d) MEAN([OrderValue])
- Q.18** Which is the correct syntax for using CALCULATE to modify context? **2**
a) CALCULATE(SUM(Sales[Revenue]), Region[Name] = "East")
b) CALCULATE(SUM(Sales[Revenue]), FILTER(Region, Region[Name] = "East"))
c) CALCULATE(FILTER(Sales, Sales[Revenue]), Region[Name] = "East")
d) CALCULATE(SUM(Sales[Revenue]), Region = "East")
- Q.19** How do you create a conditional column where values greater than 1000 show 'High', otherwise 'Low'? **2**
a) IF([Sales] > 1000, "High", "Low")
b) CASE [Sales] > 1000 THEN 'High' ELSE 'Low'
c) IF(Sales > 1000, 'High', 'Low')
d) SWITCH([Sales] > 1000, "High", "Low")
- Q.20** What is a dashboard in Power BI? **2**
a) A data source that provides access to raw data for analysis
b) A collaboration tool that allows users to share and work on data together
c) A visual representation of data that provides an at-a-glance view of key metrics
d) A report that contains detailed information about a specific topic or area
- Q.21** What is the purpose of Power Query in Power BI? **2**
a) To create and manage data models
b) To analyze and visualize data
c) To import, transform, and combine data from various sources
d) To create custom visuals for data visualization
- Q.22** Which of the following is a way to create a calculated column in Power BI? **2**
a) Using DAX formula language
b) Using SQL query language
c) Using Python programming language
d) Using JavaScript programming language
- Q.23** What is the purpose of Power BI paginated reports? **2**

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- a) To provide a high-level overview of data from multiple sources
 - b) To create interactive data visualizations
 - c) To create pixel-perfect, paginated reports for printing and PDF generation
 - d) To embed Power BI content in other applications
- Q.24** What is the common flow of activity in Power BI? **2**
- a) Create a report in the Power BI service, share it to Power BI mobile, interact with it in Power BI Desktop
 - b) Create a report in Power BI mobile, share it to Power BI Desktop, view and interact in the Power BI service
 - c) Bring data into Power BI Desktop and create a report, share it to the Power BI service, view and interact with reports and dashboards in the service and Power BI mobile
 - d) Bring data into Power BI mobile, create a report, then share it to Power BI Desktop
- Q.25** Type of data modeling in Power BI that Uses Data Analysis Expressions and similar to Excel formulas _____ **2**
- a) DAX
 - b) Query
 - c) Model
 - d) None of the above
- Q.26** Which DAX function is used to return today's date? **2**
- a) CURRENTDATE()
 - b) NOW()
 - c) TODAY()
 - d) GETDATE()
- Q.27** What does the "Edit Interactions" feature in Power BI do? **2**
- a) Edits DAX expressions
 - b) Filters rows in a table
 - c) Controls how visuals affect each other
 - d) Changes color themes
- Q.28** Which Power BI component is used to write M code? **2**
- a) Report View
 - b) Data View
 - c) Power Pivot
 - d) Power Query Editor
- Q.29** What is the default summarization type for numeric fields in Power BI? **2**
- a) COUNT
 - b) AVERAGE
 - c) SUM
 - d) MAX
- Q.30** Which of the following is a one-to-many relationship in Power BI? **2**
- a) One customer to one transaction
 - b) Many transactions to one customer
 - c) Many customers to many products
 - d) One transaction to one product

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- Q.31** What is the use of the "Merge Queries" option in Power Query? **2**
- a) Combine columns in a table
 - b) Create a backup of your data
 - c) Join two tables together
 - d) Filter rows by a condition
- Q.32** In Power BI, which function helps to remove duplicate values in a column? **2**
- a) REMOVE()
 - b) DISTINCT()
 - c) CLEAR()
 - d) DELETE()
- Q.33** What is the benefit of using the "Group By" feature in Power Query? **2**
- a) Remove null values
 - b) Combine duplicate rows into one
 - c) Aggregate data like sum or count based on categories
 - d) Sort the data
- Q.34** In Power BI, what does the 'Manage Relationships' feature do? **2**
- a) Builds custom visuals
 - b) Manages access permissions
 - c) Defines connections between different tables
 - d) Edits queries
- Q.35** Which visual would best help compare actual performance against a target? **2**
- a) Card
 - b) Line chart
 - c) Gauge
 - d) Slicer
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