

5/71

0905N421

Candidate's Seat No: \_\_\_\_\_

**IMBA in BI/IB/ APR Sem.8 Examination**

**F/M/IB/APR**

**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.

<b>NO.</b>	<b>QUESTION</b>	<b>Marks</b>
<b>Q.1</b>	Which of the following is NOT a component of Power BI? a) Power Query b) Power Pivot c) Power View d) Power Animate	<b>2</b>
<b>Q.2</b>	Power BI is primarily used for: a) Web development b) Data visualization and business intelligence c) Mobile app creation d) Photo editing	<b>2</b>
<b>Q.3</b>	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	<b>2</b>
<b>Q.4</b>	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	<b>2</b>
<b>Q.5</b>	Which visual in Power BI is best for showing trends over time? a) Table b) Line chart c) Pie chart d) Card visual	<b>2</b>

- Q.6** Which visual interaction feature allows you to control how one visual affects another on the same report page? **2**
- 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
- Multi-row card
  - KPI
  - Single card
  - Clustered column chart
- Q.16** To count distinct values in the 'CustomerID' column, which DAX expression is correct? 2
- DISTINCTCOUNT(CustomerID)
  - DISTINCTCOUNT([CustomerID])
  - COUNTDISTINCT('CustomerID')
  - COUNTD([CustomerID])
- Q.17** How do you calculate the average of the column 'OrderValue'? 2
- AVG([OrderValue])
  - AVERAGE('OrderValue')
  - AVERAGE([OrderValue])
  - MEAN([OrderValue])
- Q.18** Which is the correct syntax for using CALCULATE to modify context? 2
- CALCULATE(SUM(Sales[Revenue]), Region[Name] = "East")
  - CALCULATE(SUM(Sales[Revenue]), FILTER(Region, Region[Name] = "East"))
  - CALCULATE(FILTER(Sales, Sales[Revenue]), Region[Name] = "East")
  - 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
- IF([Sales] > 1000, "High", "Low")
  - CASE [Sales] > 1000 THEN 'High' ELSE 'Low'
  - IF(Sales > 1000, 'High', 'Low')
  - SWITCH([Sales] > 1000, "High", "Low")
- Q.20** What is a dashboard in Power BI? 2
- A data source that provides access to raw data for analysis
  - A collaboration tool that allows users to share and work on data together
  - A visual representation of data that provides an at-a-glance view of key metrics
  - 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
- To create and manage data models
  - To analyze and visualize data
  - To import, transform, and combine data from various sources
  - 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
- Using DAX formula language
  - Using SQL query language
  - Using Python programming language
  - Using JavaScript programming language

- Q.23** What is the purpose of Power BI paginated reports? **2**
- 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

N421-5

- d) One transaction to one product
- 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
-