

PUSASQF604
Data Visualisation – Power BI

Time: 2 hours
Total Marks: 60 marks

Note:

- 1. The candidate has option to either attempt Q4 A or B**
- 2. Numbers to the right indicate full marks.**
- 3. Use of approved scientific calculator is allowed.**

Q1) Answer the following questions (Use Dataset2)

Q1A Explain Licensing in Power BI. **5 Marks**

Q1B Which Discount Band has more sales? What is the percentage of it? **5 Marks**

Q1C Create table matrix (Segment, Product, sales) and add conditional formatting based on below rule.

5 Marks

< 1Million	Red
1Million - 5Million	Amber
> 5Million	Green

Q2) Answer the following questions (Use Dataset2)

Q2A Create Custom function to multiply Units Sold & Sales, Invoke the function in the Custom column calculation rename it as Revenue. **5 Marks**

Q2B Create hierarchy using Segment, Country & Product and showcase drilldown functionality column chart (using sales as metric). **5 Marks**

Q2C Show Running total of profit by date. **5 Marks**

Q3) Answer the following questions (Use Dataset2)

Q3A Create New column for country Abbreviation such as Canada should be as CAN etc. **5 Marks**

Q3B Show Ranking for Product based on the Sales. **5 Marks**

Q3C Explain what are the components of powerbi **5 Marks**

Attempt Q4 A OR B

Q4 Make use of Dataset2

15 Marks

A)

- i) Create Master Calendar table for year 2010 to 2025, extract Year, Month No, Month Name, Quarter No, Quarter Name, Month & Year, Quarter & Year, Day Name, First Day of the Month, Last Day of the Mont **(7 Marks)**
- ii) State the difference between Import mode & Direct Query. **(8 Marks)**

OR

B) Make use of Dataset 4 & Create a Dashboard

15 Marks

- i) Create a bar chat using category & sales with visual formatting **(10 Marks)**
Create a line chart using sub-category & sales with visual formating
Create a pie chart using segment & sales with visual formating
Create a slicer using market & sales with visual formating
Create a filled map chart using country & sales with visual formating
- ii) Create a measure for total profit using card chart **(5 Marks)**
create a measure for total sales using card chart
create a measure for total discount using card chart
Create a Title using Text Box & name it as Sales Report
Do visual formating in all the cards.