

PUSASQF606
Data Visualization – 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. 15 Marks

A 5 Marks
Explain Cardinality types in detail in Power BI.

B 5 Marks
Explain Different filters in Power BI

C 5 Marks
State Difference between Calculated Column & Calculated Measure.

Q2) Answer the following questions 15 Marks

A 5 Marks
Create ISO Code column for Countries.

Country	ISO Code
United States	US
Great Britain	GB
France	FR

B 5 Marks
Calculate Current Age of each person in the data.

C 5 Marks
Create Full name column by Concatenating first Name & Last Name. What is the age of youngest person?

Q3) Answer the following questions**15 Marks****A****5 Marks**

Load the dataset & create relation between Sales & Quantity table.

B**5 Marks**

Create Table visual using Year, Category, Country, & Sales. In the Same visual format sales column with following colors based on sales values.

Note: select any shade of below mentioned color.

Range	Colour
< 4000	Red
>=4000 & <=7000	Yellow
>7000	Green

C**5 Marks**

Create Pie Chart for sales by Country. Show all the detail labels on it & Filter the visual only for Books Category.

Q4 Attempt Q4 A OR B**15 Marks****A**

1. Create measure for Last Year Sales & Compare it with Current Year using Trend line. (5)
2. Showcase MOM sales. (5)
3. Show Bottom 3 Product based on Profit. (5)

OR**B**

1. Show Cumulative Total of sales by Date. (5)
2. Show Top 3 Product based on Sales. (5)
3. Show YTD & QTD Sales. (5)