

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

Show Table visual with items, total quantity & Flag. Flag can be calculated based on quantity.
Use below conditions.

Hint: Consider Summation of quantity for calculation

Flag	Condition
Least Selling	<225
Average Selling	Between 225 & 250 (Inclusive Both)
Top sellers	>250

B

5 Marks

State Difference between Import mode & Direct Query in power BI?

C

5 Marks

Difference between Calculated column & Calculated Measure?

Q2) Answer the following questions

15 Marks.

A

5 Marks

Calculate New Column namely Burger Type Which can be populated based on item as Mutton, Chicken & Soya.

B

5 Marks

Show Top 5 & Bottom 5 items based on quantity.

C

5 Marks

Create function in power bi for multiplication of Quantity & Cost.

Q3) Answer the following questions

15 Marks

A

5 Marks

Create a measure to find quantities sold for veg items.

B

5 Marks

Show a stacked column chart for each day of the week showing sales for veg v/s non veg products.

C

5 Marks

Create a graph showing number of items ordered per table (1 to 9) (Sundays only)

Q4 Attempt Q4 A OR B

15 Marks

A)

1. Show MTD Sales (3)
2. Show Cumulative Total of quantity sold. (3)
3. Calculate Column namely Multiply using formula profit * quantity. (3)
4. Which Sub-Category has the highest order quantity. (3)
5. What is Profit % share of furniture? (3)

OR

B)

15 Marks

1. What is West Region market Share (3)
2. Show Map visual with drill down functionality (Country, state & City) (3)
3. Show YTD Sales (3)
4. Show Revenue by States (Revenue = Quantity * Price) (3)
5. Show Top 10 product based on revenue (3)