

**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 Dataset1)**

**Q1A** Create function in power bi for multiplication of sales & Quantity. **5 Marks**

**Q1B** Show Top 5 dates based on Sales. Show Bottom 7 dates based on quantity. **5 Marks**

**Q1C** Explain the concept of DAX in Power BI. **5 Marks**

**Q2) Answer the following questions (Use Dataset1)**

**Q2A** Calculate MTD Sales. **5 Marks**

**Q2B** Calculate YTD Sales. **5 Marks**

**Q2C** Calculate QTD Sales. **5 Marks**

**Q3) Answer the following questions.**

**Q3A** Enter below data manually in Power BI & Mark the “Festival” value in column in above calendar table. **5 Marks**

Date		Holiday Name
26-01-201	1	Republic Day
01-05-201	1	Maharashtra Day
13-09-201	1	Ganesh Chaturthi
25-12-201	1	Christmas

**Q3B** Perform the conditional formatting of background color based on sales by date. **5 Marks**

< 500	Red
500 - 850	Yellow
> 850	Green

**Q3C** Show Quantity by Date in column chart with drill down functionality. **5 Marks**

**Attempt Q4 A OR B**

**Q4) Make use of Dataset2**

**15 Marks**

**A)**

- i)**
- a) Show Line & Clustered column chart for Sales
  - b) Calculate Column for country abbreviation. For e.g., Canada □ CAN
  - c) Show Revenue share by country.

**(7 Marks)**

- ii)**
- a) Show Top 3 product based on profit.
  - b) Add flag column based on below condition.

**(8 Marks)**

Discount Band	Flag
High	1
Low	2
Medium	3
None	4

- c) Show running total of sales using line chart.

**OR**

**B) Make use of Dataset 4 & Create a Dashboard**

**15 Marks**

- i)** Create a bar chat using category & sales with visual formatting  
Create a line chart using sub-category & sales with visual formatting  
Create a pie chart using segment & sales with visual formatting  
Create a slicer using market & sales with visual formatting  
Create a filled map chart using country & sales with visual formatting

**(10 Marks.)**

- ii)** Create a measure for total profit using card chart  
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 formatting in all the cards.

**(5 Marks)**