**Module 5) Creating Dashboard with Visualization Tool**

**Assignment**

1) What is Power BI and how does it differ from Excel?

2) Explain the concept of data modeling in Power BI.

3) What are the different types of connections available in Power BI?

4) How do you handle data transformation in Power BI?

5) What is DAX (Data Analysis Expressions) and why is it important in Power BI?

6) Can you explain the difference between calculated columns and measures in Power BI?

7) How do you handle relationships between tables in Power BI?

8) What is the purpose of a Power BI Gateway?

9) How can you schedule data refresh in Power BI Service?

10) Explain the concept of row-level security in Power BI.

11) What is the Power BI Desktop and how does it differ from Power BI Service?

12) Explain the concept of Direct Query in Power BI?

13) What are Power BI templates and how are they useful?

14) How do you handle incremental data refresh in Power BI?

15) What is the role of Power Query in Power BI?

16) Explain the difference between calculated columns and calculated tables in Power BI.

17) How do you create custom visuals in Power BI?

18) What are the best practices for optimizing performance in Power BI?

19) How can you integrate Power BI with other Microsoft products like Azure and Office 365?

20) Explain the concept of aggregations in Power BI.

21) How do you handle error handling and data quality in Power BI?

22) What is the purpose of Power BI Embedded and when would you use it?