

QP CODE: D2BAN2504		Reg. No :	
		Name :	
Second Semester (FYUGP) Degree Examination April 2026 (Regular - 2025 Admissions) Skill Enhancement Courses (SEC) BAN2FS112 : Data Visualization using Power BI (Credits: 3)			
Time: 1.5 Hours		Maximum Marks: 50	
Section A. Answer the following questions. Each carries 2 marks (Ceiling: 16 marks)			
1.	What is Tableau. List the advantages of Tableau.	BL2	CO1, CO4
2.	Define Data Visualization.	BL1	CO1, CO4
3.	Explain the ETL process in Power Query.	BL4	CO2, CO3
4.	What is the purpose of the Ribbon in Power BI Desktop?	BL1	CO1, CO2
5.	Define snowflake schema modeling.	BL1	CO2, CO3
6.	What is DAX? List some operators in DAX.	BL1	CO3
7.	List the categories of visualizations on Power BI visualization ecosystem.	BL1	CO1, CO4
8.	What is a workspace in Power BI Service?	BL1	CO1, CO4
9.	State the types of map visualizations available in Power BI.	BL1	CO1, CO4
10.	What are filters in Power BI?	BL1	CO4
Section B. Answer the following questions. Each carries 6 marks (Ceiling: 24 Marks)			
11.	What is Power BI Desktop? Explain its main features and uses.	BL4	CO1
12.	Differentiate between Fact Tables and Dimension Tables with examples.	BL4	CO2, CO3
13.	Compare Excel files and CSV files as data sources for Power BI.	BL4	CO1, CO2
14.	Explain common data transformation and shaping methods in detail.	BL2	CO2, CO3
15.	Explain visual formatting in Power BI. Why does formatting matter? State some formatting techniques.	BL2	CO1, CO4
Section C. Answer any one question. Each carries 10 marks (1 x 10 = 10 Marks)			
16.	What is BI? Discuss the four types of BI Analytics in detail with their techniques and applications. How do they differ from each other?	BL4	CO1
17.	Analyze data quality issues and state different methods to handle them with practical examples.	BL4	CO2, CO3
CO : Course Outcome			
BL : Bloom's Taxonomy Levels (1 – Remember, 2 – Understand, 3 – Apply, 4 – Analyse, 5 – Evaluate, 6 – Create)			