

Registration Number:

Date & session:



ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU-27
BCA (DATA ANALYTICS) – VI SEMESTER
SEMESTER EXAMINATION: APRIL 2024
(Examination conducted in May/June-2024)
BCADAVO6523: INTRODUCTION TO POWER BI
(For current batch students only)

Time- 2 Hours

Max Marks-60

This question paper contains THREE parts and TWO printed page

PART A

Answer ALL questions

5X2=10

1. What are the two benefits of using Power BI Desktop over Excel/Tableau for Data Analysis?
2. Mention the purpose of cards in Power BI report?
3. Identify the two main components of Power BI, and how do they differ in their functionality?
4. List two common data sources that can be connected to Power BI
5. Name two advantages of using dashboards in Power BI

PART B

Answer any FIVE questions

5X4=20

6. What is DAX (Data Analysis Expressions)? Mention the role of DAX in Power BI?
7. What do you mean by Business Intelligence? With a neat diagram explain the architecture of business Intelligence
8. Explain how filters and slicers contribute to enhancing data visualization in Power BI.
9. Discuss the process of designing dashboards in Power BI, emphasizing key components.
10. Explain about the security and governance considerations in Power BI. Discuss best practices for ensuring data security, sharing, collaboration, and administration within the platform.
11. Discuss the role of custom visuals in enhancing the visualization capabilities of Power BI.
12. Explain the concept of drill-down and drill-through in Power BI reports.

PART C

Answer any THREE questions

3X10=30

13. Explain the different DAX functions with example
14. a) With a suitable example explain Star Schema (4)
b) Explain the architecture of power BI (6)
15. Explain the steps involved in establishing a relationship between two tables in Power BI, considering cardinality.
16. Mention three different chart types commonly used in Power BI mentioning the benefits and limitations.