

RAN-2608000606040005**B. Com (Sem.-VI) (NEP) Examination March - 2026****AEC - Power BI****Time: 1 Hour]****[Total Marks: 25**

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: Student's Signature
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Q. 1. Answer in Short (Any 5)**10**

1. Define Power BI and state its use.
2. What is a report canvas?
3. What is a bar chart?
4. What is a measure?
5. What is drill-through in Power BI?
6. What is dynamic RLS?
7. What is Performance Analyzer?

Q. 2. Attempt Following.**15**

1. Describe the steps for connecting data from Excel, SQL, and CSV in Power BI.
2. Explain the process of creating interactive reports and dashboards in Power BI.
3. Explain Data Analysis Expressions and its importance in Power BI.

OR**Q. 2. Do as Directed****07**

- (a) Explain the AI-powered data insights available in Power BI and discuss how these features support predictive analysis and smart decision-making. Also, evaluate the effectiveness of Power BI in enabling data-driven business decisions.

(b) A college maintains data related to students, faculty, courses, attendance, and examination results across multiple Excel sheets and a centralized SQL database. 08

The administration wants an interactive dashboard to analyze course-wise enrollment, attendance trends, overall pass percentage, and faculty performance, while principals want the ability to view individual student academic records.

1. Explain how data modeling in Power BI helps in establishing relationships among student, course, faculty, and result tables.
2. Describe the use of calculated columns and measures in Power BI to compute attendance percentage, pass percentage, and academic performance indicators.
3. Explain the importance of drill-down and drill-through features in Power BI for analyzing individual student and course-level details.