

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION MAY 2025
(Sixth Semester)

Branch – COMMERCE (BUSINESS ANALYTICS)

MAJOR ELECTIVE COURSE - II: BI TOOLS FOR DATA VISUALISATION

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 × 1 = 5)

- 1 Which of the following is not a key component of Business Intelligence?
a) Data Analysis b) Domain c) Visualization d) Internet Browsing
- 2 What is Power BI Free used for?
a) Advanced AI model integration b) Basic data visualization and reporting
c) Creating machine learning models d) Running SQL queries
- 3 Which section of the Power BI Desktop contains the Ribbon and Quick Access Toolbar?
a) Title Bar b) Page Tabs c) Footer d) Formula Bar
- 4 What is the primary purpose of merging queries in Power BI?
a) Expanding tables b) Copying queries
c) Appending queries d) Checking column distribution
- 5 Which report formats can be exported from Power BI Service?
a) PDF b) PowerPoint c) Both (a) and (b) d) None of the above

SECTION - B (15 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 3 = 15)

- 6 a) Explain the different types of Power BI licenses and their features.
OR
b) What are the key components of Business Intelligence in Power BI?
- 7 a) Describe the Ribbon and Views available in Power BI Desktop.
OR
b) Explain the steps involved in creating a calculated table in Power BI.
- 8 a) What is the role of Transforming Budget and Forecast Data in Power BI?
OR
b) Explain how to create and format Visualizations.
- 9 a) How does Power BI handle creating relationships and exploring the data model?
OR
b) Explain the role of Power BI in checking and troubleshooting calculations.
- 10 a) What are the different ways to export reports in Power BI Service?
OR
b) Explain how dashboards work in Power BI Service.

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

- 11 Explain the Various Power BI services.
- 12 Discuss how data can be generated using Power BI.
- 13 Explain the process of shaping and transforming data in Power BI, including merging queries, changing sources, and loading data.
- 14 Discuss the steps involved in creating a final report in Power BI, including formatting, syncing slicers, and applying filters.
- 15 Explain how Power BI Service is used for report viewing, exporting, and embedding.

Z-Z-Z END