

(NO. OF PAGES: 2)

(FOR THE CANDIDATES ADMITTED

25PCS206

DURING THE ACADEMIC YEAR 2025-2027 Only)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : MAY- 2026

M.Sc. Computer Science

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

25PCS206 DATA VISUALIZATION FOR DECISION MAKING

Section - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. (K1)

MULTIPLE CHOICE QUESTIONS.

- 1) What is Power BI?
 - a) A business analytics tool
 - b) A database management system
 - c) A project management software
 - d) A graphic design tool
- 2) Which of the following is a data visualization feature in Power BI?
 - a) Charts
 - b) Word processing
 - c). Video editing
 - d) Animation
- 3) Which of the following is a data transformation feature in Power BI?
 - a) Data modeling
 - b) Data visualization
 - c) Data exploration
 - d) Data cleansing
- 4) Which of the following is a way to filter data in Power BI?
 - a) Slicer
 - b) Histogram
 - c) Scatter plot
 - d) Line chart
- 5) Which of the following is a way to connect to a data source in Power BI?
 - a) Using a web browser
 - b) Using a command-line interface
 - c) Using an API
 - d) Using a cloud

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES(K2)

- 6) What is Power BI?
- 7) Define "Database".
- 8) What do you mean by reallocating the budget.
- 9) What is DAX.
- 10) What is Power BI REST?

SECTION – B (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

- 11) a) Outline the procedure for uploading data to Power BI.
(OR)
b) Examine the process of refreshing the budget workbook.

Ethical paper

(CONT...2)

- 12) a) Illustrate the steps for publishing from Power BI desktop.
(OR)
b) Determine how seasonality is handled and months are sorted.
- 13) a) Summarize the getting data from services and content packs.
(OR)
b) Estimate the steps to create a custom dataset from a service.
- 14) a) Highlight the factors involved in the choosing between standard visuals.
(OR)
b) Discover the initial steps for working with custom visualizations.
- 15) a) Evaluate the integration of Power BI with Office.
(OR)
b) Describe the process of publishing real time data to dashboard.

Section-C (5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

- 16) a) Write down the steps to create a group workspace in Power BI. (K4)
(OR)
b) Examine the process of viewing reports and dashboards on mobile devices. (K4)
- 17) a) Demonstrate the general architecture of Power BI refresh. (K5)
(OR)
b) Outline the steps to install the Power BI personal gateway. (K5)
- 18) a) Identify the steps to creating a content pack for your organization. (K4)
(OR)
b) Elucidate how reports can be improved using measures. (K4)
- 19) a) Assess the condition for custom visualizations. (K5)
(OR)
b) Elaborate the steps to create high density Power BI reports. (K5)
- 20) a) Analyze the use of Live connection to assess SQL Server analysis services. (K4)
(OR)
b) Discuss methods for extending and customizing Power BI. (K4)

Ethical paper