



School of Digital Health

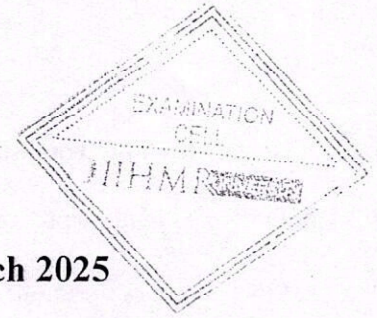
MBA Healthcare Analytics

Batch-01st (2024-2026)

First Year, Term 2, End Term Examinations, March 2025

CC – 614 Data Visualization and Dashboard Designing

Enrolment No.: .....



Time - 3 Hour

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 2 printed page.
- Don't write anything on the Question Paper except writing your Enrolment No.

**Part A**

(Maximum Marks: 5)

Q1. Choose the correct option/ Fill in the blanks / One-word / True & False / Match the following (1 mark each):

- a) Which of the following is NOT a data visualization tool?
- a) Tableau
  - b) Power BI
  - c) SQL Server
  - d) Excel
- b) \_\_\_\_\_ is a visualization technique used to show hierarchical data.
- c) In Tableau, calculated fields can only be used in dashboards.
- d) Match the following:
- |               |                                |
|---------------|--------------------------------|
| a) Bar Chart  | i) Time-Series Analysis        |
| b) Line Chart | ii) Comparative Analysis       |
| c) Pie Chart  | iii) Proportional Distribution |
- e) What is the primary purpose of an interactive dashboard?

**Part B**

(Maximum Marks: 15)

Answer the following questions (5 marks each):

- Q2. Explain the importance of data visualization in healthcare decision-making.
- Q3. What are the key differences between Tableau and Power BI?
- Q4. Describe the role of filters and slicers in interactive dashboards?



**Part C**

**(Maximum Marks: 30)**

**Answer the following questions in detail (10 marks each):**

- Q5. Explain the process of connecting and cleaning healthcare data in Tableau and Power BI.
- Q6. Discuss the significance of storytelling in data visualization. Provide an example from healthcare analytics?
- Q7. A hospital wants to track patient admissions, discharge rates, and average length of stay using an interactive dashboard. Design a framework for this dashboard using Tableau or Power BI. Explain the key components and visualizations needed.

