

## IM.B.A. (PHM) (Rep) Sem.-6 Examination

PHM-BBA - CC-601

D.M.V.H.

November-2025

Time : 2-30 Hours]

[Max. Marks : 70

- Instructions :** (1) This paper contains **FIVE** questions.  
(2) All questions are compulsory.  
(3) Question No.2, 3, 4 have internal options.  
(4) Figures in the right side in parenthesis indicate marks.

**Q:1** Write a detailed note on the Gantt Chart as a visualization tool for project management, explaining its structure and usefulness in tracking project timelines. (14)

**Q:2** Write a detailed note on the Pie Chart and explain the difference between Pie and Bar Charts in representing categorical data. (14)

**OR**

**Q:2** Define a discrete categorical variable with the help of a dummy dataset, and write a short note on one categorical data visualization method such as a Bar Chart or Pie Chart. (14)

**Q:3** If comparing an employee's performance across multiple attributes, which graph (e.g., Radar or Spider Chart) would you use? Describe its structure and significance. (14)

**OR**

**Q:3** Write a short note on the Box Plot, highlighting how it represents data spread, central tendency, and outliers. (14)

**Q:4** Write a short note on Gauge Charts, explaining how they represent performance indicators or metrics in dashboards. (14)

**OR**

**Q:4** Write a detailed note on alternatives to the Pie Chart (such as Donut Chart, Tree Map, or Funnel Chart) that allow comparison of a single category to the whole dataset. (14)

**Q:5** Describe the key stages of the Data Science Pipeline and specify the stage at which data visualization is performed. Also, explain how data visualization benefits managers in decision-making. (14)

**Note: Draw graphs, charts, maps and figures wherever necessary, as they will be part of your answer and will be evaluated.**

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