



Roll No.														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PRESIDENCY UNIVERSITY

BENGALURU

End - Term Examinations – MAY 2025

Date: 20-05-2025

Time: 09:30 am – 12:30 pm

School: SOC	Program: BBA- Analytics	
Course Code: BBB3024	Course Name: Artificial Intelligence for Managers	
Semester: VI	Max Marks: 100	Weightage: 50%

CO - Levels	C01	C02	C03	C04
Marks	11	26	35	28

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2 marks.

10Q x 2M=20M

1.	Define Artificial Intelligence.	2 Marks	L1	C01
2.	List three types of AI.	2 Marks	L1	C01
3.	Name two AI technologies used in voice assistants.	2 Marks	L1	C02
4.	Describe the concept of supervised learning.	2 Marks	L1	C02
5.	Recall the sources of data collection for AI model development.	2 Marks	L1	C03
6.	Define model deployment in the AI lifecycle.	2 Marks	L1	C03
7.	List any three types of AI-generated reports.	2 Marks	L1	C03
8.	Outline the use of heat maps in data visualization.	2 Marks	L1	C04
9.	Recognize the differences between Tableau and Power BI.	2 Marks	L1	C04
10.	Name any three types of charts used in data visualization.	2 Marks	L1	C04

Part B

Answer ALL the Questions. Each question carries 7 Marks.

Total Marks 35M

11.	a.	Explain the role of AI in modern society with suitable examples.	07 Marks	L2	C01
Or					
12.	a.	Explain the ethical concerns that managers should consider when implementing AI systems in business.	07 Marks	L2	C01
13.	a.	Apply your understanding of deep learning to explain how image recognition works.	07 Marks	L2	C02

Or					
14.	a.	Explain Machine Learning. Elucidate the differences between supervised, unsupervised, and reinforcement learning, providing examples of each.	07 Marks	L2	CO2

15.	a.	Illustrate the steps in training and evaluating an AI model.	07 Marks	L2	CO3
Or					
16.	a.	Explain the significance of model deployment and monitoring in the AI pipeline.	07 Marks	L2	CO3

17.	a.	Compare Tableau and Power BI based on their visualization capabilities.	07 Marks	L2	CO4
Or					
18.	a.	How can interactive dashboards improve decision-making in a business environment? Discuss with examples of tools that support such features.	07 Marks	L3	CO4

19.	a.	Analyze the impact of data quality on model training and evaluation in AI.	07 Marks	L3	CO3
Or					
20.	a.	Analyze the importance of feature engineering in the AI model development process.	07 Marks	L3	CO3

Part C

Answer any Three Questions. Each question carries 15 marks

3Q x 15M=45M

21.	a.	A school introduces an AI-powered chatbot to help students with homework questions. It works 24/7 and gives quick answers. Some teachers worry that students may stop thinking critically and over-rely on the bot. Apply your understanding of AI to explain the benefits and possible risks of using AI chatbots in education. Suggest two ways to use it responsibly.	15 Marks	L3	CO1
-----	----	--	----------	----	-----

22.	a.	An e-commerce platform like Amazon collects user reviews and ratings for thousands of products daily. They struggle to understand overall customer sentiment. How can Natural Language Processing (NLP) and Machine Learning be applied to analyze this data effectively?	15 Marks	L4	CO2
-----	----	---	----------	----	-----

23.	a.	A local business wants to use AI to predict sales but doesn't have clean, complete data. Their team collects some data manually, but errors and missing values make model training difficult. Apply your understanding of the AI process to explain why data preparation is important. Suggest simple steps the business can take to clean and prepare their data.	15 Marks	L3	CO3
-----	----	--	----------	----	-----

24.	a.	A health NGO wants to visualize the spread of a disease across districts using real-time data. They are confused about which type of chart to use and whether to adopt Tableau or Power BI for dynamic dashboards. Evaluate the suitable types of data visualizations for this case and recommend a tool. Support your suggestions with reasons based on data characteristics.	15 Marks	L4	CO4
-----	----	--	----------	----	-----