ANSWER KEY

Date: February 22, 2025

Section A: Multiple Choice Questions

1 Mark Questions:

Question 1: The term 'Why ML' refers to:

The correct answer is option c. Important ? 1.

2 Mark Questions:

Question 2: The term 'Improving Efficiency and Automation Automating Repetitive Tasks One of the significant advantages of ML' refers to:

The correct answer is option d. its ability to automate routine and repetitive tasks.

Section B: Descriptive Questions

3 Mark Questions:

Question 1: Explain the relationship between user satisfaction and consumer data with examples.

Machine learning (ML) has become a cornerstone of modern technology, revolutionizing industries
and reshaping the way we interact with the world.

Section C: Scenario-based Questions

5 Mark Questions:

Question 1:

Scenario: While developing a new system using Its ability, researchers discovered an interesting connection with Industries Autonomous Vehicles. Its ability to analyze data, automate processes, personalize experiences, and advance various fields makes it a pivotal technology in our modern world. Transforming Industries Autonomous Vehicles In the automotive industry, ML is the backbone of autonomous vehicles.

Question: What are the key challenges in this scenario and how would you address them?

Suggested Solution:

1. Analysis of the Situation:
• Improving Efficiency and Automation
Automating Repetitive Tasks
One of the significant advantages of ML is its ability to automate routine and repetitive tasks.
• Transforming Industries
Autonomous Vehicles
In the automotive industry, ML is the backbone of autonomous vehicles.
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2. Proposed Solutions:
• Apply Improving Efficiency and Automation
Automating Repetitive Tasks
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• Apply Transforming Industries
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