

1. What role do actuators play in a robotic system?

- ☐ They analyze data to make decisions.
- ☒ They execute the robot's physical movements.
- ☐ They enable communication with other systems.
- ☐ They provide the robot with sensory inputs.

✔ **Correct**

Actuators are the robot's muscles that enable movement and interaction with the environment.

2. Rita is a supply chain manager in a logistics company. They experience stockouts of popular items, leading to a loss in sales. She struggles with an excess inventory of slow-moving products, which adds to valuable capital. How can Rita leverage AI to streamline inventory management?

- ☐ By automating the creation of purchase orders.
- ☐ By analyzing customer reviews and identifying potential product design flaws.
- ☐ By generating reports on current inventory levels.
- ☒ By predicting future demand for specific products.

✔ **Correct**

Rita can leverage AI to predict future demand for specific products based on market trends.

3. Which of the following technologies was the first to generate high-quality images?

- ☐ Recurrent neural networks (RNNs)
- ☐ Convolutional neural networks (CNNs)
- ☒ Generative adversarial networks (GANs)
- ☐ Support vector machines (SVMs)

✔ **Correct**

The emergence of generative adversarial networks (GANs) was a breakthrough in generative AI as GANs were among the first to generate high-quality images.

4. How can generative AI models help product development teams when they struggle with limited design options and the slow, iterative prototyping process?

- ☐ By improving team communication and collaboration tools
- ☐ By predicting market trends with high accuracy
- ☒ By producing multiple variations
- ☐ By providing real-time feedback on design choices

✔ **Correct**

Generative AI models can produce multiple variations, enabling companies to shortlist the most appealing options.

5. Which of the following industries has become the frontier in AI adoption?

- ☒ Financial services
- ☐ Fast-moving consumer goods (FMCG)
- ☐ Healthcare
- ☐ E-commerce

✔ **Correct**

The financial service industry, including banking and insurance, has become the frontier in AI adoption.

6. How does the AI help the HR team to streamline candidate sourcing?

- ☐ By arranging virtual training and peer interactive sessions
- ☐ By creating automated job postings for various job requirements
- ☒ By performing resume parsing to match the job requirements
- ☐ By automating the video interviews with all the candidates

✔ **Correct**

AI automation tools, such as hireEZ, can streamline candidate sourcing. This tool performs resume parsing to analyze millions of profiles, matching job requirements and providing a ranked list of potential candidates.

7. Which of the following tools can help you improve writing and communication tasks?

- ☐ Duolingo and Babel
- ☐ Tableau and Power BI
- ☒ Grammarly and QuillBot
- ☐ GitHub Copilot

✔ **Correct**

Grammarly and QuillBot are utilized for writing and communication tasks.

8. What does the term "cobots" refer to?

- ☒ Cobots are collaborative robots designed to work alongside humans, assisting them in various tasks.
- ☐ Cobots refer to a special type of robot used only in entertainment.
- ☐ Cobots are robots that only work in isolation, away from human workers.
- ☐ Cobots are robots designed to perform coding and software development tasks autonomously.

✔ **Correct**

Cobots, or collaborative robots, are designed to work with humans, often enhancing productivity and safety in workplaces.

9. How can AI improve customer experiences in businesses?

- ☐ AI prevents businesses from interacting with customers directly.
- ☐ AI limits the options customers have to choose from, making decision-making easier.
- ☒ AI can provide personalized recommendations and 24/7 customer support, enhancing customer satisfaction.
- ☐ AI can ensure that all customers are treated exactly the same, regardless of their preferences.

✔ **Correct**

AI can tailor experiences to individual customer needs and provide round-the-clock support, leading to better customer satisfaction.

10. How does Generative AI enhance customer service in businesses?

- ☐ It generates detailed reports for customer service teams to review after interactions but does not engage directly with customers.
- ☒ It powers chatbots and virtual assistants that provide personalized and immediate responses to customer inquiries.
- ☐ It helps in automating the categorization and routing of customer service requests to appropriate departments.
- ☐ It streamlines the creation of standard responses for common customer inquiries, reducing the need for personalized support.

✓ **Correct**

Generative AI is used in chatbots and virtual assistants to deliver personalized, instant responses, enhancing overall customer support.