

1. Which of the following examples best describes the applications of Narrow AI?

1 / 1 point

- ☐ An AI that can autonomously drive a car and solve complex scientific problems simultaneously
- ☐ An AI that can understand and perform any intellectual task similar to humans
- ☐ A system that mimics human-level general intelligence
- ☒ A virtual assistant that schedules appointments and sets reminders

✔ **Correct**

Weak or Narrow AI is applied to a specific domain. For example, scheduling appointments, virtual assistants, AI-powered web searches, recommendation engines, and intelligent spam filters.

2. Which of the following describes how AI improves the user experience with virtual assistants?

1 / 1 point

- ☒ Understanding and processing natural language queries
- ☐ Storing a large database of facts
- ☐ Providing fixed, pre-programmed responses
- ☐ Enabling manual task scheduling

✔ **Correct**

AI enhances virtual assistants by understanding and processing natural language queries, enabling more intuitive and accurate interactions with users.

3. In the context of personalized marketing, how does AI predict consumer behavior?

1 / 1 point

- ☐ By analyzing social media trends alone
- ☒ By using historical purchase data and browsing behavior
- ☐ By manually reviewing consumer feedback answers for this
- ☐ By conducting surveys with consumers

✔ **Correct**

AI predicts consumer behavior using historical purchase data and browsing behavior for personalized marketing.

4. Generative AI performs various tasks. Which of the following is a common use of generative AI?

1 / 1 point

- ☐ To maintain network securities
- ☐ To perform complex mathematical calculations
- ☒ To create artwork and music
- ☐ To manage cloud storage solutions

✔ **Correct**

Generative AI is commonly used in the creative fields to produce creative content.

5. The healthcare sector uses AI for predictive analytics. Which of the following systems enables this technology?

1 / 1 point

- ☐ MRIs
- ☒ EHRs
- ☐ CT scans
- ☐ X-rays

✔ **Correct**

In predictive analytics, AI systems analyze electronic health records or EHRs, patient data, and historical trends to predict patient outcomes and identify individuals at risk of developing specific conditions.

6. Choose the statement that best describes the capabilities of multimodal models in AI.

1 / 1 point

- ☐ Integrates data only from structured databases for comprehensive analysis
- ☒ Combines and interprets data from multiple sources, such as text, images, and audio, to provide comprehensive insights
- ☐ Processes data from a single source at a time to improve accuracy
- ☐ Utilizes specialized algorithms to handle complex numerical computations

✔ **Correct**

The primary strength of multimodal models lies in their ability to combine and interpret data from various modalities like text, images, and audio, enabling richer and more nuanced insights.

7. Which of the following is a popular generative AI chatbot?

1 / 1 point

- ☐ Microsoft Cortana
- ☒ ChatGPT
- ☐ Amazon Alexa
- ☐ Siri

✔ **Correct**

ChatGPT is a popular generative AI chatbot that creates human-like text based on inputs.

8. Which of the following statements best describes a challenge associated with generative AI?

1 / 1 point

- ☐ Generative AI is limited in its ability to produce varied content, often resulting in repetitive outputs.
- ☐ Generative AI models are incapable of learning from their mistakes, which limits their effectiveness.
- ☐ Generative AI models always require less data than other AI models to perform effectively.
- ☒ Generative AI can produce content that lacks coherence or relevance if not properly guided by training data.

✔ **Correct**

One challenge of generative AI is that it can generate content that may be incoherent or irrelevant if the training data is not carefully managed.

9. What is a common challenge associated with deploying AI chatbots in customer service?

1 / 1 point

- ☐ Avoiding the use of chatbots due to their inability to gather customer feedback
- ☐ Integrating chatbots with traditional customer service systems that do not support digital interactions
- ☒ Ensuring that chatbots can handle a wide range of queries with accuracy and context
- ☐ Reducing the cost of implementing chatbots, which is generally low compared to human representatives

✔ **Correct**

One of the significant challenges is ensuring that chatbots can accurately handle diverse queries and understand context, which can be complex to achieve.

10. In which of the following scenarios is generative AI most effectively utilized?

1 / 1 point

- ☐ Translating text from one language to another using predefined rules
- ☐ Enhancing cybersecurity by identifying vulnerabilities in software systems
- ☐ Diagnosing medical conditions from patient symptoms using historical records
- ☒ Creating personalized marketing content based on customer data

✔ **Correct**

Generative AI is well-suited for creating personalized and engaging marketing content by leveraging customer data.