> ➢ **Vendor: Microsoft**

> ➢ **Exam Code: AI-900**

> ➢ **Exam Name: Microsoft Azure AI Fundamentals**

> ➢ **New Updated Questions from Braindump2go (Updated in May/2025)**

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QUESTION 252
Which three actions improve the quality of responses returned by a generative AI solution that uses GPT-3.5?
Each correct answer presents a complete solution.
NOTE: Each correct answer is worth one point.

A. Add grounding data to prompts.
B. Provide additional examples to prompts.
C. Modify tokenization.
D. Add training data to prompts.
E. Modify system messages.

Answer: BDE

QUESTION 253
Which Azure AI Language feature can be used to retrieve data, such as dates and people's names, from social media posts?

A. language detection
B. speech recognition
C. key phrase extraction
D. entity recognition

Answer: D

QUESTION 254
What are three stages in a transformer model? Each correct answer presents a complete solution. NOTE: Each correct answer is worth one point.

A. object detection
B. embedding calculation
C. tokenization
D. next token prediction
E. anonymization

Answer: BCD

QUESTION 255
What can be used to complete a paragraph based on a sentence provided by a user?

A. Azure AI Language
B. Azure OpenAI
C. Azure Machine Learning
D. Azure AI Vision

Answer: B

QUESTION 256
You need to generate cartoons for use in a brochure. Each cartoon will be based on a text description.
Which Azure OpenAI model should you use?

A. Codex
B. DALL-E
C. GPT-3.5
D. GPT-4

Answer: B

QUESTION 257
You have an Azure Machine Learning model that uses clinical data to predict whether a patient has a disease.
You clean and transform the clinical data.
You need to ensure that the accuracy of the model can be proven.
What should you do next?

A. Train the model by using the clinical data.
B. Split the clinical data into Two datasets.
C. Train the model by using automated machine learning (automated ML).
D. Validate the model by using the clinical data.

Answer: D

QUESTION 258
You need to build an app that will identify celebrities in images.
Which service should you use?

A. Azure OpenAI Service
B. Azure Machine Learning
C. conversational language understanding (CLU)
D. Azure AI Vision

Answer: D

QUESTION 259
What is an advantage of using a custom model in Form Recognizer?

A. Only a custom model can be deployed on-premises.
B. A custom model can be trained to recognize a variety of form types.
C. A custom model is less expensive than a prebuilt model.
D. A custom model always provides higher accuracy.

Answer: B

QUESTION 260
Which parameter should you configure to produce more verbose responses from a chat solution that uses the Azure OpenAI GPT-3.5 model?

A. Presence penalty
B. Temperature
C. Stop sequence
D. Max response

Answer: B

QUESTION 261
You have a chatbot that answers technical questions by using the Azure OpenAI GPT-3.5 large language model (LLM). Which two statements accurately describe the chatbot? Each correct answer presents a complete solution.
NOTE: Each correct answer is worth one point.

A. Grounding data can be used to constrain the output of the chatbot.
B. The chatbot will always provide accurate data.
C. The chatbot might respond with inaccurate data.
D. The chatbot is suitable for performing medical diagnosis.

Answer: AC

QUESTION 262
You have a dataset that contains experimental data for fuel samples. You need to predict the amount of energy that can be obtained from a sample based on its density.
Which type of AI workload should you use?

A. Classification
B. Clustering
C. Knowledge mining
D. Regression

Answer: D

QUESTION 263
Which two tools can you use to call the Azure OpenAI service? Each correct answer presents a complete solution.
NOTE: Each correct answer is worth one point.

A. Azure Command-Line Interface (CLI)
B. Azure REST API
C. Azure SDK for Python
D. Azure SDK for JavaScript

Answer: AB

QUESTION 264
You need to generate images based on user prompts. Which Azure OpenAI model should you use?

A. GPT-4
B. DALL-E
C. GPT-3
D. Whisper

Answer: B

QUESTION 265
Extracting relationships between data from large volumes of unstructured data is an example of which type of AI workload?

A. computer vision
B. knowledge mining
C. natural language processing (NLP)
D. anomaly detection

Answer: B

QUESTION 266
Which Azure service can use the prebuilt receipt model in Azure AI Document Intelligence?

A. Azure AI Computer Vision
B. Azure Machine Learning
C. Azure AI Services
D. Azure AI Custom Vision

Answer: C

QUESTION 267
You plan to use Azure Machine Learning Studio and automated machine learning (automated ML) to build and train a model What should you create first?

A. a Jupyter notebook
B. a Machine Learning workspace
C. a registered dataset
D. a Machine Learning designer pipeline

Answer: B

QUESTION 268
Which two resources can you use to analyze code and generate explanations of code function and code comments? Each correct answer presents a complete solution.
NOTE: Each correct answer is worth one point.

A. the Azure OpenAI DALL-E model
B. the Azure OpenAI Whisper model
C. the Azure OpenAI GPT-4 model
D. the GitHub Copilot service

Answer: AC

QUESTION 269
You need to count the number of animals in a photograph. Which type of computer vision should you use?

A. facial detection
B. image classification
C. optical character recognition (OCR)
D. object detection

Answer: D

QUESTION 270
You need to analyze images of vehicles on a highway and measure the distance between the vehicles. Which type of computer vision model should you use?

A. object detection
B. image classification
C. facial recognition
D. optical character recognition (OCR)

Answer: A

QUESTION 271
What is an example of unsupervised machine learning?

A. classification
B. clustering
C. regression

Answer: B

QUESTION 272
Which action can be performed by using the Azure AI Vision service?

A. identifying breeds of animals in live video streams
B. extracting key phrases from documents
C. extracting data from handwritten letters

D. creating thumbnails for training videos

Answer: D

QUESTION 273
What is an example of a Microsoft responsible AI principle?

A. AI systems should protect the interests of developers.
B. AI systems should be in the public domain.
C. AI systems should be secure and respect privacy.
D. AI systems should make personal details accessible.

Answer: C

QUESTION 274
Which OpenAI model does GitHub Copilot use to make suggestions for client-side JavaScript?

A. GPT-4
B. Codex
C. DALL-E
D. GPT-3

Answer: B

QUESTION 275
Which format should you use to send requests to a REST API endpoint for Azure OpenAI?

A. CSV
B. ISON
C. XML
D. YAML

Answer: B

QUESTION 276
You are building an AI-based loan approval app.
You need to ensure that the app documents why a loan is approved or rejected and makes the report available to the applicant.
This is an example of which Microsoft responsible AI principle?

A. fairness
B. inclusiveness
C. transparency
D. accountability

Answer: C

QUESTION 277
Which Azure AI Document Intelligence prebuilt model should you use to extract parties and jurisdictions from a legal document?

A. contract
B. layout
C. general document
D. read

Answer: C

QUESTION 278
What is an example of a regression model in machine learning?

A. dividing the student data in a dataset based on the age of the students and their educational
achievements
B. identifying subtypes of spam email by examining a large collection of emails that were flagged by
users
C. predicting the sale price of a house based on historical data, the size of the house, and the
number of bedrooms in the house
D. identifying population counts of endangered animals by analyzing images

Answer: C

QUESTION 279
What should you do to reduce the number of false positives produced by a machine learning classification model?

A. Include test data in the training data.
B. Increase the number of training iterations.
C. Modify the threshold value in favor of false positives.
D. Modify the threshold value in favor of false negatives.

Answer: A

QUESTION 280
You need to predict the population size of a specific species of animal in an area.
Which Azure Machine Learning type should you use?

A. clustering
B. regression
C. classification

Answer: B

QUESTION 281
Which parameter should you configure to produce a more diverse range of tokens in the responses from a chat
solution that uses the Azure OpenAI GPT-3.5 model?

A. Max response
B. Past messages included
C. Presence penalty
D. Stop sequence

Answer: C

QUESTION 282
Providing contextual information to improve the responses quality of a generative AI solution is an example of
which prompt engineering technique?

A. providing examples
B. fine-tuning
C. grounding data
D. system messages

Answer: C

QUESTION 283
Which term is used to describe uploading your own data to customize an Azure OpenAI model?

A. completion
B. grounding
C. fine -tuning
D. prompt engineering

Answer: C

QUESTION 284
What should you implement to identify hateful responses returned by a generative AI solution?

A. prompt engineering
B. abuse monitoring
C. content filtering
D. fine-tuning

Answer: D

QUESTION 285
What should you do to ensure that an Azure OpenAI model generates accurate responses that include recent events?

A. Modify the system message.
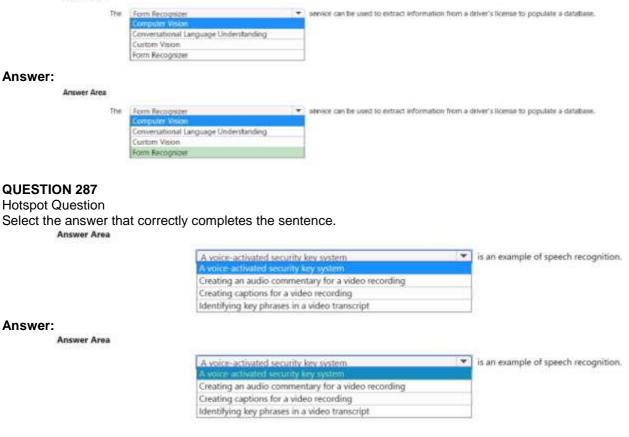B. Add grounding data.
C. Add few-shot learning.
D. Add training data.

Answer: B

QUESTION 286
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

The [Form Recognizer ▼] service can be used to extract information from a driver's license to populate a database.
Computer Vision
Conversational Language Understanding
Custom Vision
Form Recognizer

Answer:

Answer Area

The [Form Recognizer ▼] service can be used to extract information from a driver's license to populate a database.
Computer Vision
Conversational Language Understanding
Custom Vision
Form Recognizer

QUESTION 287
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

[A voice-activated security key system ▼] is an example of speech recognition.
A voice-activated security key system
Creating an audio commentary for a video recording
Creating captions for a video recording
Identifying key phrases in a video transcript

Answer:

Answer Area

[A voice-activated security key system ▼] is an example of speech recognition.
A voice-activated security key system
Creating an audio commentary for a video recording
Creating captions for a video recording
Identifying key phrases in a video transcript

QUESTION 288
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

As part of the Microsoft responsible AI principles, customers must [obtain approval based on their intended usage ▼] before they can use Azure OpenAI.
commit to a minimum level of expenditure
obtain approval based on their intended usage
pay an upfront fee
provide their credit card details

Answer:

Answer Area

As part of the Microsoft responsible AI principles, customers must [obtain approval based on their intended usage ▼] before they can use Azure OpenAI.

commit to a minimum level of expenditure
obtain approval based on their intended usage
pay an upfront fee
provide their credit card details

QUESTION 289
Drag and Drop Question
Match the Azure OpenAI large language model (LLM) process to the appropriate task.
To answer, drag the appropriate process from the column on the left to its task on the right. Each process may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Processes

Classifying

Generating

Summarizing

Translating

Answer Area

	Detect the genre of a work of fiction.

	Create a list of bullet points based on text input.

	Create advertising slogans from a product description.

Answer:

Processes

Translating

Answer Area

Classifying	Detect the genre of a work of fiction.
Summarizing	Create a list of bullet points based on text input.
Generating	Create advertising slogans from a product description.

QUESTION 290
Drag and Drop Question
Match the computer vision service to the appropriate AI workload.
To answer, drag the appropriate service from the column on the left to its workload on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Services

Azure AI Custom Vision

Azure AI Document Intelligence

Azure AI Vision

Answer Area

	Extract information from scanned forms and invoices.

	Analyze images and video, and extract descriptions, tags, objects, and text.

	Train custom image classification and object detection models by using your own images.

Answer:

Services

Answer Area

Azure AI Custom Vision	Extract information from scanned forms and invoices.
Azure AI Document Intelligence	Analyze images and video, and extract descriptions, tags, objects, and text.
Azure AI Vision	Train custom image classification and object detection models by using your own images.

QUESTION 291
Drag and Drop Question
You plan to use Azure Cognitive Services to develop a voice controlled personal assistant app.
Match the Azure Cognitive Services to the appropriate tasks.
To answer, drag the appropriate service from the column on the left to its description on the right Each service may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Services

Azure AI Speech

Azure AI Language service

Azure AI Translator Text

Answer Area

	Convert a user's speech to text.
	Identify a user's intent.
	Provide a spoken response to the user.

Answer:

Services

Azure AI Speech

Azure AI Language service

Azure AI Translator Text

Answer Area

Azure AI Speech	Convert a user's speech to text.
Azure AI Language service	Identify a user's intent.
Azure AI Speech	Provide a spoken response to the user.