Azure - AI_102

True/False Questions

1. **The Azure Speech Service can only process audio in real-time and does not support batch transcription.**
   ☐ True
   ☑ False

2. **Speaker recognition in Azure Speech Service can identify and verify a speaker based on their unique voice attributes.**
   ☑ True
   ☐ False

Multiple Choice Questions

Note: Select the most appropriate answer. Only one option is correct.

1. **Which of the following is NOT a feature of Azure Speech Service?**
   A) Speech-to-Text
   B) Text-to-Speech
   X C) Emotion Recognition
   D) Speaker Recognition

2. **What is SSML used for in Text-to-Speech?**
   A) To create neural voices
   X B) To adjust pitch, rate, and volume
   C) To translate text to multiple languages
   D) To transcribe batch audio files

3. **Which deployment option allows Azure Speech Service to run in environments with limited connectivity?**
   A) Cloud-only deployment
   B) Hybrid deployment
   X C) Container-based deployment
   D) Offline transcription

Short Open Questions

1. **Explain one practical use case for Pronunciation Assessment in language learning applications.**

Pronunciation Assessment is a helpful tool for language learners as it provides real-time, detailed feedback on how accurately they pronounce words. It can identify mispronunciations and suggest areas for improvement, enabling learners to practice and refine their skills effectively. This is especially important in accent training or professional language proficiency development.

1. **What best practices should be followed when using SSML to enhance Text-to-Speech outputs?**

When using SSML, ensure appropriate adjustments to pitch, rate, and volume to create natural and engaging outputs. Avoid overloading with too many modifications, as it can make the speech sound unnatural. Maintain consistency in usage to meet accessibility requirements, and test thoroughly to ensure the desired effect is achieved across various scenarios.