PUZZLE QUESTIONS UNIT 5

1. ImageNet Detection Puzzle

🔍 *I am a dataset that helped revolutionize deep learning in computer vision. My competition challenged AI models to classify and detect objects in images. What am I?*
A) COCO Dataset
B) ImageNet
C) Pascal VOC
D) OpenImages
✅ **Answer:** B) ImageNet

2. Audio WaveNet Puzzle

🎵 *I am a deep learning model developed by DeepMind that can generate realistic human speech from raw audio waveforms. I improved the quality of voice assistants worldwide. What model am I?*
A) Tacotron
B) DeepVoice
C) WaveNet
D) MelGAN
✅ **Answer:** C) WaveNet

3. Natural Language Processing (NLP) Puzzle

📖 *I help computers understand and generate human language. From chatbots to translation, I power intelligent applications. What field am I?*
A) Computer Vision
B) Natural Language Processing
C) Reinforcement Learning
D) Generative Adversarial Networks
✅ **Answer:** B) Natural Language Processing

4. Word2Vec Puzzle

🔤 *I transform words into numbers, capturing their meanings based on surrounding words. My "skip-gram" and "CBOW" models help AI understand language relationships. What am I?*
A) FastText
B) GloVe
C) BERT

D) Word2Vec
✅ **Answer:** D) Word2Vec

5. Joint Detection in Bioinformatics Puzzle

🧬 *I help identify meaningful biological patterns by detecting genetic variants, protein structures, and disease markers. My deep learning-powered approach improves precision medicine. What task am I?*
A) Sequence Alignment
B) Joint Detection in Bioinformatics
C) Phylogenetic Tree Analysis
D) Gene Clustering
✅ **Answer:** B) Joint Detection in Bioinformatics

6. Face Recognition Puzzle

😃 *I identify individuals based on their unique facial features using CNNs and deep learning. From unlocking phones to airport security, I'm everywhere! What technology am I?*
A) Fingerprint Recognition
B) Face Recognition
C) Iris Recognition
D) Object Detection
✅ **Answer:** B) Face Recognition

7. Scene Understanding Puzzle

🏙️ *I help AI interpret entire visual scenes, recognizing objects, their relationships, and actions. Self-driving cars rely on me to navigate safely. What task am I?*
A) Image Classification
B) Scene Understanding
C) Instance Segmentation
D) Pose Estimation
✅ **Answer:** B) Scene Understanding

8. Gathering Image Captions Puzzle

🖼️ *I generate descriptive text for images, helping visually impaired users understand online content. Social media and e-commerce use me for automatic tagging. What technique am I?*
A) Object Detection
B) Image Captioning
C) Optical Character Recognition
D) Semantic Segmentation
✅ **Answer:** B) Image Captioning