Q1. What is the purpose of an "activation function" in a neural network?  
◯ To calculate the loss of the model  
◯ To normalize the input data  
✅ To introduce non-linearity, allowing the network to learn complex patterns  
◯ To connect neurons from different layers

Q2. Which Huawei Cloud service is used for monitoring resource performance and setting up alarms?  
◯ IAM  
✅ Cloud Eye  
◯ Cloud Trace  
◯ FunctionGraph

Q3. In a Convolutional Neural Network (CNN), what is a "pooling" layer primarily used for?  
◯ To add more filters to the network  
◯ To increase the spatial dimensions of the feature maps  
✅ To reduce the size of the feature maps, making the model more robust to variations  
◯ To introduce more non-linearity

Q4. Which of the following is a key advantage of using Huawei's HiLens service for edge AI?  
◯ It is cheaper to use than cloud-based AI for large-scale training.  
✅ It processes data on the device, reducing latency and bandwidth usage.  
◯ It requires a constant, high-speed internet connection to operate.  
◯ It is only compatible with Python and PyTorch.

Q5. The process of packaging a model and all its dependencies into a single, portable unit for deployment is often referred to as:  
◯ Batch processing  
✅ Containerization  
◯ Model training  
◯ Data preparation

Q6. Which type of deep learning model is best suited for time series forecasting?  
◯ Convolutional Neural Network (CNN)  
✅ Recurrent Neural Network (RNN)  
◯ Simple Perceptron  
◯ Support Vector Machine (SVM)

Q7. Which MLOps principle focuses on ensuring that an AI model’s performance does not degrade over time due to changes in real-world data?  
◯ CI/CD  
◯ Reproducibility  
✅ Model drift detection  
◯ Data validation