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TO PASS 80% or higher

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Inference Engine Concept

LATEST SUBMISSION GRADE
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1. What library is used by the Inference Engine for targeting Intel® GPUs? **1 / 1 point**

- (•) OpenCL
- ( ) Intel® Math Kernel Library (MKL)
- ( ) OpenMP*
- ( ) All of the above
- ( ) None of the above

Correct
Inference Engine relies on the Compute Library for Deep Neural Networks (clDNN) for Convolutional Neural Networks acceleration on Intel® GPUs. Internally, clDNN uses OpenCL™ to implement the kernels.

2. True or false: Inference Engine provides an API that can be used by your application for targeting specific hardware. **1 / 1 point**

- (•) True
- ( ) False

Correct
The inference engine provides a unified API to allow for high performance inference on many hardware types including Intel® CPU, Intel® Processor Graphics (GPU), Intel® FPGA, Intel® Movidius™ Neural Compute Stick, and Intel® Neural Compute Stick 2.

3. True or false: Hardware-specific optimizations are not executed before inference. **1 / 1 point**

- ( ) True
- (•) False

Correct
The inference engine executes hardware-specific optimizations before performing inference operations to improve performance.

4. True or false: Inference Engine uses a plug-in architecture. **1 / 1 point**

- (•) True
- ( ) False

Correct
The inference engine leverages plug-ins to target specific hardware such as Intel® CPUs, Intel® Integrated Graphics (GPU) and more.

5. What is the right implementation chosen for when performing kernel level optimization? **1 / 1 point**

- ( ) Memory
- ( ) Network
- (•) Instruction set architecture
- ( ) All of the above
- ( ) None of the above

Correct
When performing kernel level optimizations, the inference engine selects the right implementation which is the best for the hardware's instruction set architecture.