✅ **Congratulations! You passed!**

**Grade received** 100%   **Latest Submission Grade** 100%   **To pass** 80% or higher

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**1.** What technology is used to deploy addons like TensorFlow Lite to iOS applications?                1 / 1 point

○ VSNs

○ Gradle

○ Applepods

◉ Cocoapods

> ✓ **Correct**

**2.** What is the name of the pod that you use to add TF Lite to an iOS app with the Swift language?                1 / 1 point

○ LiteSwift

○ TensorFlowSwift

○ TensorFlowLite

◉ TensorFlowLiteSwift

> ✓ **Correct**

**3.** How do you deploy a model to iOS for offline use?                1 / 1 point

○ You download it at runtime

○ You convert it to swift code and use it as an activity

○ You bundle model and interpreter as a resource file

◉ You add is as part of the app bundle

> ✓ **Correct**

**4.** How does iOS represent images in memory?                1 / 1 point

○ An NSPixelArray

○ An array of bytes

◉ A CVPixelBuffer

○ Image class

> ✓ **Correct**

**5.** How do you do inference with a TF Lite interpreter in Swift?                1 / 1 point

◉ Copy values to input tensor, call interpreter.invoke(), copy outputs to output Tensor

○ Copy values to input tensor, call interpreter.run(), copy outputs to output Tensor

○ interpreter.invoke(input, output)

○ interpreter.run(input, output)

> ✓ **Correct**

**6.** How do you specify the number of threads that the interpreter should use?                1 / 1 point

○ Use an InterpreterOptions object and set its threadCount property to the desired amount

○ Call the setThreads() method on an InterpreterOptions object and specify the desired amount

○ Use an InterpreterOptions object and set it's useThreads property to true

○ Use an InterpreterOptions object and set its threads property to the desired amount

⊘ **Correct**

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7. What format is an image in a CVPixelBuffer?                                                     1 / 1 point

◉ BGRA_32

○ BGR_32

○ RGB_32

○ RGBA_32

⊘ **Correct**

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8. How can you tell if a model is quantized at runtime?                                             1 / 1 point

○ Check the isQuantized property on the input tensor. If it is true, the model is quantized

○ Check the modelFormat data type. If it's uInt8, the model is quantized

○ Check the isQuantized property on the interpreter. If it is true, the model is quantized

◉ Check the inputTensor Data type. If it's uInt8, the model is quantized

⊘ **Correct**

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9. In what order does the object detection model report the bounding box parameters?                1 / 1 point

○ x, y, width, height

◉ y, x, height, width

○ y, x, width, height

○ x, y, height, width

⊘ **Correct**