✓ **Congratulations! You passed!**

✓ 1. What is TensorFlow? (choose all that apply)

1 / 1 point

☑ TensorFlow is an open-source high-performance library for numerical computation that uses directed graphs

Correct

☑ TensorFlow is open source

Correct

☐ TensorFlow is used exclusively to build Machine Learning models

Un-selected is correct

✓ 2. True or False: When you run a TensorFlow graph (like a + b), you immediately get the output of the graph (the sum of a and b)

1 / 1 point

◉ True - but only if you have tf.eager mode enabled

Correct

◯ False - TensorFlow always builds the graph but does not execute it

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✓ 3. What do nodes in a TensorFlow graph represent?

1 / 1 point

◯ Arrays of data

◯ All of the above

◯ Machine Learning

◉ Mathematical operations

Correct

✓ 4. What is a tensor?

1 / 1 point

◯ A hyperparameter set before model training

◉ A n-dimensional array of data (generalization of a vector)

Correct

◯ A different machine learning model type

✓ 5. True or False: You can only run TensorFlow on Google Cloud

1 / 1 point

◯ True

◉ False

Correct

✗ 6. The iterative process where a TensorFlow model can crowdsource and combine model feedback from individual users is called what?

0 / 1 point

◯ Federated learning

◯ TensorFlow learning

◉ Distributed learning

✔ 7. What is the high level API that allows for distributed training in TensorFlow?

1 / 1 point

◉ tf.estimator

Correct

○ tf.losses

○ tf.dist_train

○ tf.evaluate

✔ 8. How do you run a TensorFlow graph?

1 / 1 point

○ Call execute() on a tf.Session

○ TensorFlow graphs are ran automatically

◉ Call run() on a tf.Session

Correct

✔ 9. Why would you call tf.summary.FileWriter?

1 / 1 point

○ To write out the trained ML model output into a file for distribution

◉ To output statistics and visualize them in a tool like TensorBoard

Correct

○ To output the graph in a human-readable format for sharing

✔ 10. What is the shape of tf.constant([2, 3, 5])?

1 / 1 point

○ It's a scalar so it would be ( )

◉ It's a vector so it would be (3)

Correct
Would be (3) since it is one dimensional and 3 columns long.

○ It's a vector so it would be (1,3)

○ It's a scalar so it would be (3)

👍 👎 ⚑