The optimal values are $\gamma = \sqrt{\sigma^2 + \varepsilon}$, and $\beta = \mu$. Un-selected is correct After training a neural network with Batch Norm, at test time, to evaluate the neural network on a new example you should: Use the most recent mini-batch's value of μ and σ^2 to perform the needed point normalizations. Skip the step where you normalize using μ and σ^2 since a single test example cannot be normalized. If you implemented Batch Norm on mini-batches of (say) 256 examples, then to evaluate on one test example, duplicate that example 256 times so that you're working with a mini-batch the same size as during training. Perform the needed normalizations, use μ and σ^2 estimated using an exponentially weighted average across mini-batches seen during training. Correct 10. Which of these statements about deep learning programming frameworks are true?

> A programming framework allows you to code up deep learning algorithms with typically fewer lines of code than a lower-level language such as Python. Correct

(Check all that apply)

Even if a project is currently open source, good governance of the project helps ensure that the it remains open even in the long term, rather than become closed or modified to benefit only one company. Correct

Deep learning programming frameworks require cloud-based machines to run. Un-selected is correct

point