Question 1
Machine learning is an "iterative" process, meaning that an AI team often has to try many ideas before coming up with something that's good enough, rather than have the first thing they try work.

Answer:

True

Question 2
Say you want to use Machine Learning to help your sales team with automatic lead sorting. I.e., Input A (a sales prospect) and output B (whether your sales team should prioritize them). The 3 steps of the workflow, in scrambled order, are:

(i) Deploy a trained model and get data back from users

(ii) Collect data with both A and B

(iii) Train a machine learning system to input A and output B

What is the correct ordering of these steps?

Answer:

(ii) (iii) (i)

Question 3
What are the key steps of a Data Science project?

Answer:

All of the above

Question 4
Machine Learning programs can help: (select all that apply)

Answer:

   a) **Customize product recommendations**
   b) **Automate lead sorting in sales**
   c) **Automate resume screening**
   d) **Automate visual inspection in a manufacturing line**

Question 5
Unless you have a huge dataset ("Big Data"), it is generally not worth attempting machine learning or data science projects on your problem.
Answer:

False

Question 6

Say you want to build an AI system to help recruiters with automated resume screening. Which of these steps might be involved in "technical diligence" process? (Select all that apply.)
Answer:

    a) Making sure that an AI system can meet the desired performance

    b) Making sure you can get enough data for this project

    c) Defining an engineering timeline

Question 7

Which of these statements about "business diligence" do you agree with?

Answer:

    Business diligence is the process of ensuring that the AL technology, if it is built is valuable for your business.

Question 8

You want to use supervised learning for automated resume screening, as in the example above. Which of the following statements about the Training Set are true? (Select all that apply.)
Answer:

    a) It will be used by the AI team to train the supervised learning algorithm.

    b) It should give examples of both the input A (resume) and the desired output B(whether to move forward with a candidate)

Question 9

For your automated resume screening application, you are now providing a Test Set to the AI team. Which of the following statements about the Test Set are true? (Select all that apply.)

Answer:

    a) It should give examples of both the input A (resume) and the desired output B(whether to move forward with a candidate)
    b) It will be used by the AI team to train the supervised learning algorithm.

Question 10

Which of these are reasons that it's often unrealistic to expect an ML system to be 100% accurate?

Answer:

    All of the above.