1.		e Google Nest smart thermostat, with which you can remotely control the temperature of your home, is an mple of which type of context aware application?	1 point
	0	Presentation, Adaptation and Execution	
	0	Presentation and Tagging	
	0	Tagging and Execution	
	()	Adaptation and Execution	
2.	Wh	at is the advantage of context definition by relevance and functionality? Select all that apply.	1 point
		There is no advantage with respect to application development.	
	~	It considers parameters relevant to the application as well as parameters that potentially can be used by other applications. $ \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2$	
	~	It is suitable for IoT based applications.	
		It incorporates auxiliary information that helps reduce system complexity.	
3.		e of the main problems with the Boeing 737 Max 8 was the failure of the "angle of attack" (AOA) sensors. There two sensors that provide the raw angle data. Only one was used for the MCAS pitch control system.	1 point
	Suppose that, instead of the AOA sensors, we used a simulation model that derives the angle of attack value from air speed, velocity, and pitch measurements. What kind of context sensor is this?		
	0	Physical sensor	
	0	Logical sensor	
	_	Virtual sensor	
	O	None of the above	
4.	In v	what ways do context models help us? Select all that apply.	1 point
		They increase information content in raw data.	
	_	They enable easier integration into applications.	
	_	They provide higher level knowledge about contexts rather than raw data.	
	~	They allow us to perform trend analysis.	
5.	Нον	w does CareDroid implement adaptation?	1 point
	0	By using user-defined functions, where each specific context and adaptation strategy requires a different function.	
	•	By using polymorphic functions that can be instantiated using the desired context configurations.	
	_	CareDroid does not typically perform adaptation.	
	O	By using function overrides, which can be modified by the user while writing the code.	
6.	Wh	at is a way to solve the Ground Truth Challenge?	1 point
	•	Use the delayed response of a secondary sensor to validate the primary sensor. $ \\$	
	0	Collect training data again and identify training data that had labeling errors.	
	_	Use unsupervised learning techniques.	
	O	Train probabilistic belief networks that can incorporate noise in training data.	
7.		ersistent question when working with deep learning systems is: "How much data is required to ensure that a ep learning system does not overfit?"	1 point
If the		ne amount of available training data drastically decreases, what is the best way to accommodate this change?	
	•	It is better to use a simpler machine.	
	0	It is better to use a high complexity machine without applying data augmentation techniques. \\	
	0	It is better to use a high complexity machine, but data augmentation techniques should be applied to	
	0	increase the data size before the training process. Data augmentation should be used, regardless of the machine complexity, because it is an error-free way to avoid overfitting.	
Ω	Whi	ich statements, best describe Naïve Raves classifiers? Select all that apply	1!4

8. Which statements best describe Naïve Bayes classifiers? Select all that apply.

✓ They heavily depend on the conditional independence of attributes given the class.

