SOLVED WORKSHEET

SESSION 16

Sign Detection in Self Driving Car

This worksheet belongs to _____

1. Which of the following sentences are true for self-driving cars? (1 or more correct answer):
   a) They can drive themselves
   b) They use sensors and systems to drive the car
   c) They cannot understand traffic lights
   d) They know when to stop, slow down or take turns

   Answer:_____**a), b), d)**_____   *3 Points*

2. Self-driving cars can sense other vehicles and people crossing the roads but not bumps on the roads, bumps need to be handled manually.
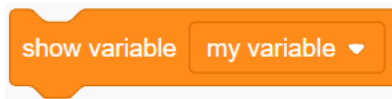   a) True
   b) False

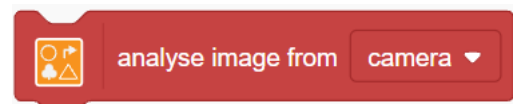   **Answer:**_____**b)**_____   *1 Point*

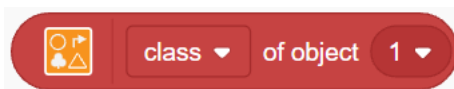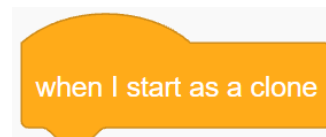3. Which of these block, detects the class of the object that is detected in the camera?

   a)

   b)

   c)

   d)

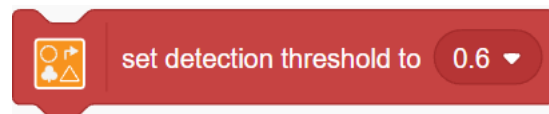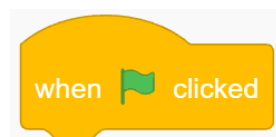   **Answer:**_____**b)**_____   *1 Point*

4. **Re-order** the following blocks in the correct flow for proper usage
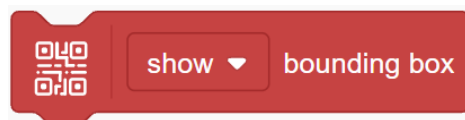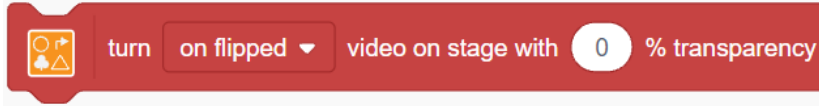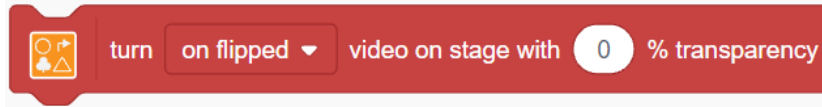
   a)

   b)

   c)

d)

Answer: (i) __b)__ (ii) __d)__ (iii) __c)__ (iv) __a)__   *3 Points*

5. In the **block-** , why do we

choose the option **on flipped** from the dropdown, Explain.

Answer:

The reason we choose the 'on flipped' option is that, camera sees the mirror/flipped image of the sign/landmarks. Hence, if we want our model to detect these signs/landmarks, we must flip them first so that they become normal, and can be detected.   *2 Points*