SOLVED WORKSHEET

SESSION 14

Face Detection

This worksheet belongs to _____

1. What are the different methods you can use to detect faces? (1 or more correct answer)?
    a) Person-Based
    b) Knowledge-Based
    c) Feature-Based
    d) Face-Based

    Answer: **b), c)**   *2 Points*

2. Which of the below given option cannot be the first parameter of the function **video([1], [2])** of **FaceDetection** library. (1 or more correct answer):
    a) off
    b) off flipped
    c) on
    d) on flipped

    Answer: **b)**   *1 Points*

3. Face detection is the action of locating human faces in an image and optionally returning different kinds of face-related data.

    a) True
    b) False

    Answer: **a)**   *1 Point*

4. Write the code below, to create a face detection object. Use the **FaceDetection** library for this purpose and store the object in the variable named **fd**:

    Answer: **fd = FaceDetection()**   *2 Points*

5. **Match the following-** Match the Python function with its respective Usage:

	Python function (with variable object like: fd, sprite etc.)		Usage of Python function
(i)	fd.analysecamera()	**a)**	To get the number of faces recognized from the image
(ii)	fd.expression()	**b)**	Get the y-coordinate of the face that is detected
(iii)	sprite.say()	**c)**	To detect face from the camera
(iv)	fd.y()	**d)**	Make the sprite say something on the stage
		e)	Get the expression of the face from camera

Answer: **(i) _c_ (ii)_e_ (iii) _d_ (iv) _b_**   *4 Points*