VA345 Creative Coding Midterm

Sabanci University Fall 2017

Name:

Surname:

Signature:

Date:

**Midterm Questions:**

**Question 1**

If a = 5 and b = -3, what is the value of the following expression: a > b || a != 5

a) false

b) true

c) 5

d) The expression contains a syntax error so won’t evaluate

**Question 2**

int j = 1;

for (int i = 0; i < 5; ++i)

j = j + i;

What is the value of j after to loop has finished?

a) 6

b) 10

c) 11

d) It’s a trick question: the curly brackets ‘{ }’ are missing so the code won’t work.

**Question 3**

Who does the following artwork belong to? Describe its medium and content.



a) Stellarc

b) Daniel Rozin

c) Joachim Sauter

d) Casey Reas

**Description (3-4 sentences):**

**Question 4**

Refer to Sketch 1 Modifying the sketch

Modify the sketch to create a new emergent pattern generator by changing the code in the function movingCircle. You might choose to do one or both of the following:

add colour to the elements

change the graphics primitives drawn

For whatever changes you decide on, make sure they vary over each primitive, which means you’ll have to make use of the circleNum parameter passed to movingCircle. You’ll notice that this is added to the current frame (frameCount) and used to calculate the end position of a line size/2 units from the origin of the grid point.

**Question 5**

Refer to Sketch 2 Modifying Sketch

Using the Sketch2 as a starting point, develop your own version of the ‘spinning top’.

Try the technique of determining the distance between two points as a test for drawing or not drawing a line between them. If closer than some distance then draw the line.

Extend the ‘blended drawing’ method of the previous sketch to accumulate a more complex image as each spinning top moves over the surface.

Experiment with rules about colour based on distance or position.

**Question 6**

Who does the following painting belong to?

Create a Processing Sketch that imitates this artwork. Use transformation functions, and basic shapes. *Hint : In order to get rectangle dimensions, you may use Photoshop Application.*

