The fitness function basically determines which possible solutions get passed on to multiply and mutate into the next generation of solutions.

Select one:

True

False

The performances of the brain.

Select one:

a. Ten billion neurons

b. All selections

c. Hundreds of operations per second

d. Distributed representations

e. Face Recognition in ~0.1secs

f. Die off frequently (never replaced)

Usually, don’t just use weighted sum directly in ANN. Some functions have been applied to the weighted sum before it is used. It called

Select one:

a. Objective function

b. All the selections

c. Activation function

d. None of the selection

e. Fitness funtion

Evolution can be seen as a process leading to the maintenance of a population’s ability to survive and reproduce in a specific environment. This ability is called Activation fitness.

Select one:

True

False

Is a process of taking more than one parent solutions and producing childes solution from them.

Select one:

a. Fitness function

b. Mutation

c. Selection

d. Crossover

Membership functions are used

Select one:

a. in the fuzzifcation and defuzzifcation steps

b. None of the selection is correct.

c. to map the non-fuzzy input values to fuzzy linguistic terms and vice versa

d. All the selection are correct

e. used to quantify a linguistic term.

Synapses vary in strength

Select one:

a. All the selections

b. Slight connections allow only a weak signal.

c. Good connections allowing a large signal

d. None of the selection

e. Synapses can be either excitatory or inhibitory.

There are only two types of membership functions such as triangular, trapezoidal.

Select one:

True

False

Processes of competition and selection normally take place in the natural world, where expanding populations of different species are limited by a finite space.

Select one:

True

False

In GA each artificial “chromosomes” consists of a number of “genes”, and each gene cannot be represented by 0, 1, A, a, B, Z, 9, 3 etc.

Select one:

True

False