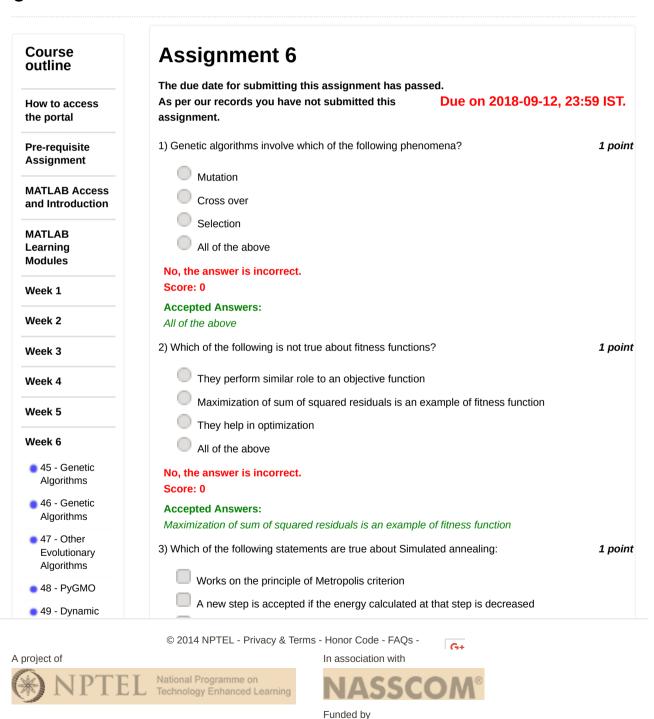
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Unit 10 - Week 6



Modelling in Drug	A new step is accepted if the energy calculated at that step is decreased
Development	tt is a probabilistic technique
52 - Guest Lecture: Modelling in Drug Development	4) The accuracy of results obtained from Simulated Annealing depends on: 1 point Temperature schedule Randomness of the search
 53 - Guest Lecture: Quantitative Systems Pharmacology 	Initial conditions All of the above No, the answer is incorrect. Score: 0
 54 - Guest Lecture: Quantitative Systems Pharmacology 	Accepted Answers: All of the above 5) Simulated annealing is based on the idea that all moves that minimize cost are accepted 1 point along with some moves with low probability that increase cost. Which of the following statements is/are
 55 - Guest Lecture: Quantitative Systems Pharmacology 	TRUE? Convergence depends on initial conditions Convergence doesn't depend on initial conditions
Quiz : Assignment 6	This method helps escape local minima Always converges at global minima
Week 6 Feedback	No, the answer is incorrect. Score: 0
Assignment 6 solution	Accepted Answers: Convergence depends on initial conditions
Week 7	This method helps escape local minima
Week 8	Genetic algorithms are based on the biological evolution and frequently used for parameter estimation. Which of the following options best describes the description? (Q6- Q9)
Week 9	6) Parameter space to be searched 1 point
Week 10	Chromosomes
Week 11	Population
Week 12	Generation
DOWNLOAD VIDEOS	No, the answer is incorrect. Score: 0 Accepted Answers:
	Population
	7) Large changes in the parameter vector independent of other parameter vectors 1 point Mutation Crossover Selection Macro-mutation No, the answer is incorrect.
	Score: 0 Accepted Answers: Macro-mutation

Mutation Crossover Selection Macro-mutation No, the answer is incorrect. Score: 0 Accepted Answers: Crossover 9) Small changes in the parameter vector independent of other parameter vectors Mutation Crossover Selection Macro-mutation No, the answer is incorrect. Score: 0 Accepted Answers: Mutation 10)Which one of the following is the migration topology for the archipelago "archi" in the code 1 point below (Hint: Look at PyGMO documentation)
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Mutation 10)Which one of the following is the migration topology for the archipelago "archi" in the code 1 point below (Hint: Look at PyGMO documentation)
below (Hint: Look at PyGMO documentation)
from DyGMO import *
<pre>prob = problem.schwefel(dim = 50) algo = [] for i in range(1,9): algo.append(algorithm.de(gen=500,variant=i)) archi = archipelago() for i in range(0,8): archi.push_back(island(algo[i],prob,20)) print min([isl.population.champion.f for isl in archi])</pre>
print min([isi:populacion:champion:: 'or isi in archij)
<pre>archi.evolve(20) print min([isl.population.champion.f for isl in archi])</pre>
None
topology.ring()
topology.fully_connected()
migration.unconnected()
No, the answer is incorrect. Score: 0
Accepted Answers: migration.unconnected()

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