

Name :

Computational Biology II

Question 1 – Give a very brief explanation or definition of each of these terms :

- Positive selection

[illegible]

- Negative selection (aka purifying selection)

[illegible]

- Epistasis

[illegible]

Question 2 – *What is the effect of population size on genetic drift?*

- ☐ Genetic drift is stronger in small populations
- ☐ Genetic drift is stronger in large populations
- ☐ Genetic drift is stronger in populations whose size is increasing
- ☐ Population size overall has no effect on genetic drift

Question 3 – *Link between clonal interference and mode of reproduction :*

- ☐ Clonal interference is more important in populations which reproduce sexually
- ☐ Clonal interference is more important in populations which reproduce asexually
- ☐ The mode of reproduction (sexual or asexual) has no effect on clonal interference

Question 4 – What did the “fluctuation test” experiment from Luria and Delbrück show?



