**Statistical Genomics (545)**

Spring 2021

**Quiz**

Open book

Due on April 19, 2021, 3:10pm

First name:

Last Name:

Pre-recorded lecture: Bayes Methods

**Instruction**: Highlight the best answer **(ONLY** **ONE**) for each question. Email this file to TA (Zhou Tang, email: zhou.tang@wsu.edu) with subject of StaGen545QuizzesYYYYMMDD

1. Which Bayesian approach use double exponential prior?

A. Bayes Cpi

B. Bayes LASSO

C. Bayes B

D. Bayes A

2. Which method favorites to a SNP with large effect the most?

A. Ridge regression

B. Bayesian B

C. gBLUP

D. Bayesian A

3. Which period can be used to derive the mean of posterior distribution?

A. Burn in period only

B. Converge period only

C. Both burn in and converge periods

D. Either burn in or converge periods

4. Gibbs Sampling iteratively samples distributions of A to get distribution of B. Here A and B are:

A. A - Conditional distributions and B - Conditional distributions

B. A - Conditional distributions and B - Joint distribution

C. A - Joint distribution and B - Joint distribution

D. A - Joint distribution and B - Conditional distributions