Exam 2

Closed Book: 30 points (30%)

1. What are the pavement condition parameters? (2 points)
2. What are the pavement deterioration modeling techniques? (2 points)
3. When you are developing a model using regression analysis, how do you select the independent variables that are related to the dependent variable? (3 points)
4. What are the steps in Markovian Probabilistic process? (2 points)
5. What are the units of pavement conditions parameters? (3 points)
6. What are the variables that have an impact on trip productions and attractions? (3 points)
7. What are the techniques to estimate trip productions? What are the differences between them? (4 points)
8. What is transportation demand and supply, give an example? (3 points)
9. What are the techniques to estimate trip distribution? (2 points)
10. What is friction factor? Explain. (3 points)
11. What is O-D matrix? Explain. (3 points)