

**2008 年度“交通工程总论”试题 (B 卷)**

姓名 \_\_\_\_\_ 学号 \_\_\_\_\_ 分数 \_\_\_\_\_

**Part One --- Answer the questions in simple way (简答题) (每题 3 分)**

1. What is the free flow speed? (何谓自由流速度?)
2. What is the difference between AADT and ADT? (年平均日交通量与平均日交通量有何区别?)
3. What are the definition of 15<sup>th</sup> percentile speed and its meaning in traffic engineering? (百分之十五位车速的定义和在交通工程中的含义是什麼?)
4. What are the protected left turn phase and permitted left turn phase? (何谓保护型和许可型左转相位?)
5. What does the peak hour factor tell and what is its range in value? (高峰小时系数反映了什麼? 其值落在什麼范围?)
6. What is critical gap? (何谓临界可接受间隙?)

7. What is warning sign? Give two examples of it. (何谓警告标志? 请举出 2 个例子)
8. What is saturation headway? (何谓饱和车头时距?)
9. If rate of flow equals to hourly volume, what does it indicate? (如果小时流率与小时流量相等, 这说明什么?)
10. Using diagram to show merge and diverge areas of freeway. (用图表示高速路合流区和分流区)

**Part Two --- Elaborate the following questions (详述下列问题) (每题 6 分)**

1. Describe the relationship between mobility and accessibility. Then, take Jing Jin freeway and Da Wang roadway as candidates to show their difference in terms of mobility and accessibility (描述机动性与可达性之间的关系, 并以京, 津高速路和大望路为例加以说明)