

國立中央大學八十六學年度碩士班研究生入學試題卷

所別: 土木工程研究所 己組 科目: 運輸工程 共 / 頁 第 / 頁

1. Define the following terms. (49%)
 - (1) Incremental Assignment
 - (2) Shock Wave
 - (3) Dilemma Zone
 - (4) Channelization
 - (5) Cordon Counts
 - (6) Lost Times
 - (7) Platoon Dispersion

2. Traffic congestion is a day-to-day experience for nowadays commuters. Please describe, to your best knowledge, how to employ advanced electronic facilities and information technologies to alleviate this problem. (20%)

3. In many newly developed communities, the level of services of the accessing roads were lowered dramatically in a short period of time. It is often caused inconvenience and even danger to the surrounding residents who have been lived there for several generations. Who do you think is responsible for the infrastructure enhancement? (20%)

4. Road construction and environmental protection are two big issues faced by many governmental officers. What kind of strategies can be accommodated to make a balance between these two issues? (11%)