

Sheet No(5) Transportation Planning



Please, give the appropriate answer to each of the following questions:

1. To illustrate the importance of transportation in our national life, identify a transportation-related article that appears in a local or national newspaper. Discuss the issue involved and explain why the item was newsworthy.

2. Keep a diary of all trips you make for a period of three to five days. Record the **purpose** of each trip, how you traveled, the approximate **distance** traveled, and the **trip time**. What conclusions can you draw from the data?

3. Describe the impacts of **transportation/highways** on **economy**, **environment** and **safety**.

4. Define the following terms:

- | | |
|---------------------------------------|------------------------------------|
| ❖ Trip | ❖ Trip origin and trip destination |
| ❖ Traffic Assignment | ❖ Modal Split |
| ❖ components of transportation system | ❖ Mobility |

5. Differentiate between the following terms:

- Transportation demand
- Transportation Supply

6. Explain briefly the main stages of the **transportation planning** process? Use **flowchart** to assist your answer.

7. Describe the stages of transportation **demand forecasting**.