

The modal split analysis between private vehicle and public transport vehicle is 60/40 as an overall split. The peak period vehicle occupancy is 1.8 persons for private vehicle CAR and 50 persons for public transport vehicle BUS.

Develop the trip matrix for both modes showing car trips and bus trips in design year.

- Q.4** (a) Discuss about various checks carried out for data collected for planning of transportation facility. **07**
(b) What are the types of trip observed in Urban transportation system? **07**
OR
- Q.4** (a) Explain the method of public transport survey with the types of data collected in the survey. **07**
(b) Define Urban area. What are the trends in urbanization? Write about urban class groups. **07**
- Q.5** (a) Explain corridor with sketch showing various corridor components. Also, write about corridor screen line analysis. **07**
(b) Discuss about transportation plan preparation. **07**
OR
- Q.5** (a) Explain Point, Linear, Radial and Polynuclear developments with sketch. **07**
(b) Write about characteristics of Rail transit. Also, write about capacity, fare structure and route planning for rail transit in brief. **07**
