

**OLABISI ONABANJO UNIVERSITY, AGO – IWOYE**  
**FACULTY OF ADMINISTRATION AND MANAGEMENT SCIENCES**  
**DEPARTMENT OF TRANSPORT MANAGEMENT**  
**2017/2018 HARMATTAN SEMESTER EXAMINATION**  
**B.Sc Degree Examination**

**Course Code:** TLM 401  
**Course Title:** Traffic Survey Analysis  
**Instruction:** Answer any Three Questions  
**Time Allowed:** 2 Hours

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- 1 (a). Discuss the difference between Traffic survey and Transport survey.  
(b) Highlight the significance of Traffic survey in overall Transport planning.
  - 2 (a) Outline and Discuss methods of conducting Origin-Destination(O-D) survey. *orig dest*  
(b) Examine the Merits and Shortcomings of each of the methods identified above.
  - 3 (a) Discuss the importance of Volume and Speed survey in traffic studies  
(b) Identify and discuss the methods of measuring Volume and Speed of vehicular traffic
  - 4 (a) Identify and discuss the various types of parking survey necessary in transport research  
(b) Examine the traffic regulatory measures for On-street parking system.  
(c) Discuss the major consideration in locating off-street parking system
  - 5 (a) Define Queue theory and discuss its relevance to transport studies  
(b) Identify and discuss major elements of a queue  
(c) Given that an average rate of arrival of vehicles at a traffic junction in a busy street of a city was 400 vehicles per hour while green light schedule was 600 vehicles per hour:  
(i) Discuss the nature of traffic intensity at this junction  
(ii) Estimate the average time of vehicles in the system  
(iv) Comment on the traffic situation at this light junction.
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