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Total No. of Pages : 01

Total No. of Questions : 09

Masters in Architecture (2013 &amp; Onwards) (Sem.-2)

**TRAFFIC & TRANSPORTATION**

Subject Code : MACH-206

Paper ID : [A3205]

Time : 3 Hrs.

Max. Marks : 50

**INSTRUCTION TO CANDIDATES :**

1. Attempt Q. No. 1 and any FOUR Questions, taking at least ONE Question from EACH UNIT.
2. All questions carry EQUAL marks.

- Q1. Assess the contribution of Traffic and Transport planners in creating a sustainable Metropolitan region, with the help of a suitable case study.

**UNIT-I**

- Q2. How would you ensure the safety of a busy urban road through traffic planning measures?
- Q3. Enlist the surveys necessary in assessing transportation systems? Give an analysis of any such survey conducted by you during your course period.
- Q4. What are the various transportation systems available to the contemporary planners? Justify which one would you prefer for a city like Amritsar?

**UNIT-II**

- Q5. Comment on the necessity of highway plantation. Evaluate the standards followed in highway landscaping along the national highways of India.
- Q6. Write a report on the Environmental Impact Assessment of any master plan you have studied.
- Q7. As a planner, what steps would you follow for a sustainable transportation system of a developing urban area to be followed by planners?

**UNIT-III**

- Q8. How do you rate BRT system? Taking some case examples, evaluate the effectiveness of the same in cities of the developing world.
- Q9. What are the traffic problems faced in an intersection? Give a detailed design of a well designed intersection which are grade-separated.