

Total No. of Pages : 02

Total No. of Questions : 08

B. Architecture (2012 & Onwards EL-III) (Sem.-9)

TRAFFIC AND TRANSPORTATION-I

Subject Code : BACH-907

M.Code : 74101

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY.**
2. **Attempt ANY FOUR questions from SECTION-B, selecting atleast ONE from each unit**
3. **All questions carry equal marks**

SECTION-A

1) Explain in detail : (5 × 2)

- Give the cross-section of arterial road.
- What is the purpose of doing origin-destination survey?
- Define the term transport system.
- Traffic volume is measured in which units.
- Enlist various modes of public transport for a city.

SECTION-B

UNIT-I

- 2) What is the importance of transport system in the balanced growth of city? Explain.
- 3) Accidental mortality rate is too high in our country. What road safety measures you suggest to be incorporated in the road designing and transport system planning to reduce the same.

- 4) How intermediate transport system is helpful in dealing with problems and issues related to traffic and transportation of core areas of Indian cities? Explain.

UNIT-II

- 5) Enlist and explain various traffic control devices along with their application, merits and demerits.
- 6) What is the role of traffic surveys in transport planning of a city? Explain.
- 7) *“Integration of land use planning and transport system planning is a key to sustainable transport for a city”*. Explain.
- 8) Define and explain various urban roads along with their carrying capacity and cross-sections.

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