Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   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 : 60

INSTRUCTIONS TO CANDIDATES :

1. Question no. 1 is COMPULSORY.
2. Attempt 5 questions in all including Question No. 1
3. Attempt one question from EACH unit.
4. Support your answer with neat sketches.

1.   **Explain in detail :**

   a) Lighting layout on horizontal curves

   b) Signal co-ordination

   c) Origin and destination survey

   d) Parking survey

   e) Types of traffic control devices   (2×5=10)

UNIT-I

2.   What are the various types of road intersection? Draw and discuss in detail the design
        features of different types of road intersections.   (12.5)

3.   Explain in detail with the help of sketches how inappropriate road design results in
        causing accidents in urban areas? Suggest suitable remedial measures.   (12.5)

4.   Elaborate the importance of public transport in urban areas and also discuss in detail the
        relationship between public transport system and the urban form.   (12.5)

UNIT-II

5.   Discuss in detail :

   a) Road marking as important traffic control and regulatory devices

   b) Mass rapid transport system of a city in India   (12.5)

6.   Discuss the different components of a transportation system highlighting their respective role and importance in efficient functioning of transportation system in an area.   (12.5)

7.   Discuss in detail the various problems and issues of traffic and transportation system in a metropolitan city and also give suggestions to overcome from these issues.   (12.5)

8.   Discuss in detail :

   a) National Transport Policy

   b) Traffic management and land use planning   (12.5)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.