

No. of Printed Pages : 03

Roll No.

H4003

B.Arch. EXAMINATION, May 2019

(Ninth Semester)

(Re-appear Only)

(Arch.)

AR509B

TRAFFIC AND TRANSPORTATION-IX

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. All questions carry equal marks.

(3-24/11)M-H4003

P.T.O.

Unit I

1. How would you address the problem of increasing traffic with the growth of urbanization ?
2. Explain the following :
 - (a) Spot speed
 - (b) Running speed
 - (c) Space mean speed
 - (d) Time mean speed
 - (e) Average speed.

Unit II

3. (a) Describe the key elements of geometric design of highway.
(b) Explain various road cross-section elements.
4. What is the classification system of urban highways in our country ?

Unit III

5. Explain the role of public and Para transit mode of transportation in medium and small cities.
6. What are different methods of economic evaluation of any transport project ?

Unit IV

7. What do you understand by air quality index of a city ? How living environment of a city can be improved by effective transportation planning ?
8. What are different methods of off street parking and their space requirement per ECS applicable in our country ?