

No. of Printed Pages : 03

Roll No. ....

**H-4003**

**B. Arch. EXAMINATION, Dec. 2018**

(Ninth Semester)

(B. Scheme) (Main & Re-appear)

(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 at least *one* question from each Unit. All questions carry equal marks.

(2-03/16) M-H-4003

**P.T.O.**

### **Unit I**

1. Describe in detail the interrelationship of land use and transport systems.
2. Explain the following :
  - (a) Spot speed
  - (b) Running speed
  - (c) Space mean speed
  - (d) Time mean speed
  - (e) Average speed.

### **Unit II**

3. What are MRTS and BRTS ? Explain its relevance in context of developing country like India with suitable examples.
4. (a) Explain various grade separation planning processes.  
(b) Explain various grade intersection planning processes.

**M-H-4003**

**2**

### **Unit III**

5. Explain the necessity to address the transportation planning of small and medium cities in current scenario of urbanization in India.
6. Explain the basic principles of economic evaluation of any transportation project.

### **Unit IV**

7. What are different methods of on street parking and their space requirement per ECS applicable in our country ?
8. (a) What are the principal causes for deteriorating the road safety environment ?  
(b) How engineering, enforcement and education measures are necessary to improve road safety ?

(2-03/17) **M-H-4003**

**3**

**160**