

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

Paper ID : [74101]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Students are required to attempt FIVE questions in ALL including compulsory SECTION A.
2. Student has to attempt minimum one question from SECTION B & C.

SECTION-A

Short Answer Questions :

- 1. Attempt all questions :**

- | | |
|--|---------|
| a. Rotary intersection-advantages & disadvantages. | 2 marks |
| b. Prohibited parking areas. | 2 marks |
| c. General principles of Traffic Signing. | 2 marks |
| d. Need for collection of Accident data. | 2 marks |
| e. Multi-level car parking. | 2 marks |
| f. Design criteria for pedestrians and cyclists. | 4 marks |
| g. Off-street Parking Facilities. | 6 marks |

SECTION-B

2. Discuss the different components of a transportation system highlighting their respective role and importance in efficient functioning of transportation systems in an area.

3. Write a note on the urban traffic and transportation problems encountered in any Indian old city.
4. The challenges of dealing with traffic in an old Indian city are innumerable. Discuss the remedial measures to be adopted to solve the problems and issues of traffic and transportation by citing an example.

SECTION-C

5. Elaborate in detail the various types of urban transport systems in relation to urban forms and structures. Discuss the advantages and disadvantages of each of them.
6. Explain in detail with sketches different types of grade separated intersections.
7. Discuss briefly the different types of traffic control devices and mention the merits and demerits of traffic signals.
8. Discuss the importance, objective and methods of the study of parking surveys.

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